

academic science

graduate enrollment
and support
fall 1979

ORIGINAL

COMPLETED

157

surveys of science
resources series
national science
foundation



detailed
statistical tables

NSF 80-321

contents

	Page
General Notes	ii
Section:	
I. Technical Notes	1
II. Classification of Institutions	5
III. Statistical Tables	13
IV. Instructions, Survey Instruments, and Summaries	131

general notes

The National Science Foundation (NSF) conducted its eighth annual Survey of Graduate Science Students and Postdoctorates (GSSP) in fall 1979. Survey forms were mailed in January 1980 to all doctorate- and master's-granting institutions having at least one graduate-level science or engineering (S/E) program, and to all medical schools. Between 1972 and 1975, coverage was limited to all graduate S/E departments at Ph.D.-granting institutions only, including their medical schools. The survey was expanded in 1976 and 1977 to include all S/E departments in institutions that granted a master's as the highest degree. The fall 1978 survey was mailed to doctorate-granting institutions only, and data were collected on an abbreviated survey form.

Section III, Statistical Tables, is divided into four parts: The "A" tables display selected enrollment data from master's- and doctorate-granting institutions collected on the fall 1979 survey form; the "B" tables display comparable enrollment data from the doctorate institutions for the 1974-79 period; similarly, section "C" tables include comparable data from master's institutions from the 1976, 1977, and 1979 surveys; part D offers five special tables: Tables D-1 and D-2 describe the number and characteristics of graduate departments included in the data tables; table D-3 ranks doctorate institutions in terms of their total graduate S/E enrollment in 1979; table D-4 ranks all master's institutions on the same basis; and table D-5 summarizes data from all institutions utilizing postdoctorates.

Section IV contains a copy of the fall 1979 survey form (NSF Form 812), the survey instructions, and selected summaries of institutional responses in facsimile format.

The universe for the 1979 survey included 8,363 graduate departments in 322 doctorate institutions, and another 1,452 departments in 315 master's institutions. In all, 752 schools or reporting units were surveyed—611 graduate schools and 141 medical schools.

The definition of a "doctorate-granting institution" was expanded somewhat during the 1978 survey year to include *all* institutional components with graduate S/E enrollment, such as branch campuses or schools of public health, nursing, and medicine. Thus, if any component offered a Ph.D. in an S/E field or a first-professional degree in a health area, the institution was considered to be doctorate granting. This change in definition added 35 reporting units to the data base in 1978; however, in order to provide a comparable basis for trend analyses from 1974 to 1978, data were converted to the format used by doctorate institutions for any previous year's submission.

Of the 752 separate reporting units surveyed in fall 1979, 14 failed to respond. Data were imputed for 142 S/E departments in these schools based on their prior year's response. Within the responding institutions, an additional 208 departments were totally imputed and another 427 required partial imputation. Imputation rates for selected totals are shown by area of science in tables I-5 and I-6 on page 4.

The number of data cells on the survey instrument was reduced in 1979 from the previous long-form survey year (1977) in a continuing effort to improve the survey instrument and lessen respondent burden. Item 5 no longer requests sources and mechanisms of support by level of study, thus 39 cells were eliminated from this question. The item on postdoctorates, however, was expanded 8 cells to allow collection of data by sex for an overall net reduction of 31 data cells. A copy of the 1979 version may be found in section IV.

The term "science" as used in the survey is understood to include engineering; the number of students receiving "institutional support" includes those supported by funds allocated to the institutions from State and local governments, as well as directly by the institutions themselves; and the category "other outside sources" includes support of students by private industry, nonprofit organizations, and all other U.S. or foreign sources.

Requests for additional information concerning the survey findings should be addressed to Mrs. Susan G. Broyles, Universities and Nonprofit Institutions Studies Group, Division of Science Resources Studies, National Science Foundation, Washington, D.C. 20550 (202) 634-4673. Data tapes for 1979 and prior survey years may be purchased from:

Moshman Associates, Inc.
6406 Goldsboro Road
Washington, D.C. 20034
(301) 229-3000

technical notes

survey background— establishing the universe

TABLE	PAGE
I-1. The NSF data collection series: 1967-79	2
I-2. Number of graduate departments and full-time graduate enrollment at doctorate-granting institutions by area of science: 1972-79	3
I-3. Number of graduate departments and full-time graduate enrollment at master's-granting institutions by area of science: 1975-79	3
I-4. Summary of responses to Optional Item 7: 1979	4
I-5. Imputation for nonresponse at doctorate-granting institutions by area of science and enrollment status: 1979	4
I-6. Imputation for nonresponse at master's-granting institutions by area of science and enrollment status: 1979	4

NSF has collected data annually on graduate S/E enrollment since 1967 when applications to its Graduate Traineeship Program required information on the types and sources of major support of graduate science students and postdoctorates. When this Program was phased out, a full-scale survey was introduced in 1972 to include all institutions known to grant at least one doctoral degree in an S/E program. The new survey was expanded again in 1973 as a result of the National Institutes of Health's (NIH) special interest in responses from the biomedical and clinical departments. A thorough search of all graduate school catalogs and institutional directories added 22 doctorate-granting institutions and approximately 1,000 departments to the 1973 universe. In order to examine all graduate S/E enrollment, the universe was again expanded during the 1976 survey year to include institutions granting a master's in science or engineering as the highest degree.

Prior to 1978, each reporting unit was considered a separate institution. During the 1978 survey year, however, the definition of an institution was revised to conform to that of the three other university-oriented surveys conducted

by NSF.¹ In fall 1979, the survey universe consisted of 437 reporting units which included all graduate S/E degree-granting campuses, medical schools, and schools of public health, etc., that were affiliated with the 322 institutions identified by NSF as granting a doctorate in an S/E discipline. An additional 315 reporting units were identified as master's-granting institutions.

In response to the emphasis on reducing the Federal paperwork burden at the institution level, NSF began in 1978 to conduct the Survey of Graduate Science Students and Postdoctorates (GSSP) on a biennial basis. A short form requesting selected data items was sent to doctorate institutions only in the 1978 survey year and the full-scale survey was resumed in fall 1979. Results of the latest survey to all doctorate and master's institutions are shown in the detailed tables in section III.

Table I-1 shows the number of institutions, reporting units, and departments

¹These include: (1) The Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions; (2) The Survey of Scientific and Engineering Expenditures at Universities and Colleges; and (3) The Survey of Scientific and Engineering Personnel Employed at Universities and Colleges.

surveyed under the Graduate Traineeship Program from 1967 through 1971 and those covered by the GSSP from 1972 through 1979.

Tables I-2 and I-3 indicate the extent of the expansion at both doctorate- and master's-granting institutions and include department and enrollment coverage since the survey series began. The addition to the universe of nearly 5,200 departments and 84,000 full-time students over the period 1972-79 resulted from several factors: (1) The universe for the first survey year 1972 was derived from the data base already in existence—the NSF Graduate Traineeship Program—with the addition of 78 reporting units that were known to grant at least one Ph.D. in science or engineering; (2) it was expanded again in 1973 to include all clinical and medical science departments in medical schools; (3) a special study of this 1973 universe through a review of graduate school catalogs revealed the names of additional science departments that had not been surveyed; these were added to the universe on a computer-generated form 811 for review by Survey Coordinators in response to the 1974 survey; (4) the expansion in 1976 to include an additional 1,400 departments in all science master's-granting institutions to the universe of all graduate S/E departments; and finally, (5) the inclusion of certain master's-granting campuses of doctorate institutions with their main campus data.

The 1979 survey

The Fall 1979 Survey of Graduate Science Students and Postdoctorates conducted by NSF was sent to all master's- and doctorate-granting institutions and their related branch campuses, medical schools, and other components enrolling graduate-level S/E students. The survey was mailed in early January 1980. A computer-produced Form 811 was generated for each reporting unit, listing all known graduate S/E departments. This form was mailed to each survey coordinator in the graduate and/or medical schools in the universe along with a survey form or departmental data sheet (Form 812)

Table I-1. The NSF data collection series: 1967-79

Year of series	Number of institutions	Number of reporting units	Number of departments		
			Total	Master's	Doctorate
A. Graduate Traineeship Program					
1967	209	NA	3,016	436	2,580
1968	219	NA	3,190	454	2,736
1969	224	NA	3,354	460	2,894
1970	227	NA	3,544	473	3,071
1971	224	249	3,397	407	2,990
B. Survey of Graduate Science Students and Postdoctorates					
Doctorate institutions:					
1972 ¹	260	328	4,590	777	3,813
1973	264	340	6,555	869	5,686
1974	286	375	7,551	1,445	6,106
1975	285	376	7,719	1,519	6,200
1976	294	385	7,833	1,590	6,243
1977	302	398	8,083	1,739	6,344
1978	315	421	8,229	1,808	6,421
1979	322	437	8,363	1,836	6,527
Master's institutions:					
1975 ²	307	308	1,356	1,356	-
1976	308	309	1,364	1,364	-
1977	306	307	1,410	1,410	-
1978 ³	-	-	-	-	-
1979	315	315	1,452	1,452	-

¹Survey in 1972 included selected data items for 1971.

²The survey of master's institutions in 1976 included selected data items for 1975.

³Master's institutions were not surveyed in 1978.

NOTE: NA—not applicable.

SOURCE: National Science Foundation

Table I-2. Number of graduate departments and full-time enrollment at doctorate-granting institutions by area of science: 1972-79

Area of science	1972	1973	1974	1975	1976	1977	1978	1979
Number of departments								
Total, all areas	4,590	6,555	7,551	7,719	7,833	8,083	8,229	8,363
Engineering	868	920	1,009	1,016	1,016	1,023	1,021	1,026
Physical sciences	474	475	515	527	517	521	519	521
Environmental sciences	218	243	256	262	270	278	285	288
Mathematical sciences	324	339	372	385	394	400	410	421
Life sciences	1,706	3,499	4,070	4,176	4,229	4,397	4,500	4,587
Psychology	202	223	278	284	292	309	314	317
Social sciences	798	856	1,051	1,069	1,115	1,155	1,180	1,203
Full-time enrollment								
Total, all areas	159,520	161,915	195,906	210,822	214,729	218,445	216,849	224,057
Engineering	32,191	31,312	33,717	37,138	36,437	36,781	37,026	39,282
Physical sciences	22,253	21,114	21,416	21,443	21,787	21,933	21,657	21,922
Environmental sciences	7,210	7,497	8,201	8,672	9,298	9,593	9,695	9,919
Mathematical sciences	13,273	12,907	13,409	13,839	14,289	13,782	13,461	13,959
Life sciences	36,751	41,099	54,650	59,236	61,649	64,138	64,847	66,536
Psychology	15,308	15,176	18,906	19,775	21,546	21,413	20,620	20,705
Social sciences	32,534	32,810	45,607	50,719	49,723	50,805	49,543	51,734

SOURCE: National Science Foundation

BEST DOCUMENT AVAILABLE

Table I-3. Number of graduate departments and full-time enrollment at master's-granting institutions by area of science: 1975-79¹

Area of science	1975		1976		1977		1979	
	Number of departments	Full-time enrollment	Number of departments	Full-time enrollment	Number of departments	Full-time enrollment	Number of departments	Full-time enrollment
Total, all areas	1,356	16,015	1,364	16,329	1,410	17,839	1,452	19,274
Engineering	149	806	147	823	157	898	159	1,381
Physical sciences	180	611	177	600	175	680	165	723
Environmental sciences	45	456	46	280	46	338	50	377
Mathematical sciences	158	1,003	158	1,060	164	862	163	1,246
Life sciences	306	3,948	312	4,427	330	4,344	347	4,707
Psychology	151	4,296	152	4,007	155	4,215	183	5,121
Social sciences	367	4,895	372	5,132	383	6,502	385	5,719

¹Master's institutions were not surveyed in 1978.

SOURCE: National Science Foundation

Table I-4. Summary of actual responses to optional item 7 racial ethnic background: 1979

Item	In universe		Response to item 7					
			Total ²	U.S. citizens				
	Total	Percent covered by item 7		Black, non-Hispanic	American Indians, Alaskans	Asians, Pacific Islanders	Hispanics	White, non-Hispanic
Doctorate institutions:								
Full-time students	224,057	62.8	140,672	3,787	286	2,486	2,651	104,050
Part-time students	97,713	46.0	44,931	1,741	68	1,069	824	38,284
Master's institutions:								
Full-time students	19,274	34.7	6,688	583	19	91	223	4,833
Part-time students	34,223	26.4	9,020	846	22	227	241	7,311

¹Response rates vary by discipline since data were collected by department; further detail is available at the field of science level on request.

²Response covers 3,953, or 47 percent, of the 8,363 departments at doctorate-granting institutions and 568 (39 percent) of the 1,452 departments at master's institutions.

SOURCE: National Science Foundation

and a full set of instructions for each department listed.

The coordinators were requested to update the Form 811 with any newly formed departments or to add those departments inadvertently omitted the previous year; to delete any departments no longer in existence; and to make notes of any departmental name changes, merges, or splits. This updated Form 811 thus became the basis for the 1979 universe. The survey Forms 812

were distributed by the coordinators to each department chairperson for completion of data at the department level.

Upon completion, all forms were returned to a contractor for screening, computer processing, editing, and tabulation. The 1979 data were compared to the appropriate 1977 or 1978 responses; errors in addition were flagged for correction; unusual growth patterns or omissions of self-supported students were marked "possible error"; and

Form 812 facsimiles were returned to coordinators for error resolution. Tabulations of the final results, including any changes resulting from the departmental review, are found in section III, the statistical tables.

the 1979 survey instrument

For the first time since master's-granting institutions were added to the universe, all graduate schools were surveyed on the same form in fall 1979. NSF Form 812 was previously reserved for doctorate institutions only, but in order to make the enrollment data comparable and thus more meaningful to data users and Federal policymakers, NSF revised the 1979 survey form.

In 1979 item 4 was expanded to allow department chairpersons to designate the highest degree granted as either: (1) "master's" or (2) "doctorate"; and (3) "no graduate degree offered" was added for departments or programs reporting postdoctorates even though they do not offer a degree.

Item 5 was reduced from the 1977 format and collected data on the number of full-time students enrolled for advanced degrees. Students were to be reported according to the source and type of major support received; data were also requested on sex, citizenship, and level of study (number of first-year students).

Part-time enrollment data were collected in item 6. The number of women enrolled part-time and the number of first-year part-time students were requested in addition to the total.

Item 7 was designated as "optional" in 1979 and was designed to gather information on the racial/ethnic background of both full- and part-time S/E students. Of the 9,815 departments surveyed in fall 1979, 4,521 departments, or 46 percent, responded to the optional item. A summary of the data collected is presented in table I-4. Since no racial/ethnic data were inputted for nonrespondent departments, table I-4 shows only the data reported by the departments that responded. Further study is planned to determine the availability of racial/ethnic data at the department

level and the feasibility of collection on a permanent basis.

Item 8 was expanded somewhat from the 1977 version on postdoctorates. Data were requested by source of support and citizenship; in addition, respondents were asked to report the number of "other non-faculty doctoral research staff" as well as the number of women in each category.

response rates

Mailout of the fall 1979 survey was completed on January 4, 1980. Although responses were requested by January 31, 1980, the survey was not closed out until July 9, 1980, when a 98-percent institutional response rate was achieved among doctorate-granting institutions. Only six institutions failed to respond. Among the master's institutions, eight were unable to participate in the survey during 1979, for a response rate of 97 percent.

Missing data were imputed based on the previous year's response for the 106 departments at the 6 nonrespondent doctorate institutions. In addition, another 187 departments required full imputation and 220 received partial imputation. Only three departments not responding to the 1979 survey could not be imputed and thus were not included in the tabulations.

At master's institutions, 57 departments were fully imputed based on their previous year's response (36 were in the 8 nonrespondent institutions) and another 207 departments required partial imputation to complete the data items. Data were not imputed for the 16 departments for which there was no prior response.

imputation and its effects

Of the 369 departments not responding to the 1979 survey, 19 were new to the survey and, thus, were not included in the tabulated data. For the remaining 350 departments, 1979 data were imputed based on their previous responses. When 90 percent of the respondent departments had been edited, preliminary tabulations were produced

to indicate rates of change in each detailed discipline for selected characteristics of full- or part-time enrollment and the number of postdoctorates. These rates were then applied to each nonrespondent department's actual 1977 or 1978 survey response to impute a 1979 response. For those departments requiring partial imputation, data were com-

puted using distribution characteristics reported by peer departments. Tables and summaries in appendixes III and IV include data from 8,360 graduate departments at doctorate institutions and 1,436 departments at master's institutions.

Tables I-5 and I-6 show the impact of imputation on the survey results.

Table I-5. Imputation for nonresponse at doctorate-granting institutions by area of science and enrollment status: 1979

Area of science	Number of graduate departments		Total in survey			Number imputed			Imputation rate		
	In uni-verse	Im-puted	Full time	Part time	Post doc-torates	Full time	Part time	Post doc-torates	Full time	Part time	Post doc-torates
Total, all areas	8,363	513	224,057	97,713	18,589	5,557	4,022	636	.025	.041	.034
Engineering	1,026	81	39,282	29,355	1,073	942	929	18	.024	.032	.017
Physical sciences	521	22	21,922	3,335	4,028	192	43	38	.009	.013	.009
Environmental sciences	288	15	9,919	2,324	329	153	43	0	.015	.019	.000
Mathematical sciences	421	19	13,959	8,473	203	71	111	0	.005	.013	.000
Life sciences	4,587	279	66,536	20,507	12,089	1,506	1,300	567	.023	.063	.047
Psychology	317	19	20,705	7,267	456	260	9	13	.013	.001	.029
Social sciences	1,203	78	51,734	26,452	411	2,433	1,587	0	.047	.060	.000

SOURCE: National Science Foundation

Table I-6. Imputation for nonresponse at master's-granting institutions by area of science and enrollment status: 1979

Area of science	Number of graduate departments		Total in survey			Number imputed			Imputation rate		
	In uni-verse	Im-puted	Full time	Part time	Post doc-torates	Full time	Part time	Post doc-torates	Full time	Part time	Post doc-torates
Total, all areas	1,452	264	19,274	34,223	50	717	1,001	0	.037	.029	.000
Engineering	159	39	1,381	4,500	0	36	238	0	.026	.056	.000
Physical sciences	165	22	723	1,001	31	25	8	0	.035	.008	.000
Environmental sciences	50	10	377	639	0	15	17	0	.040	.027	.000
Mathematical sciences	163	27	1,246	2,540	0	29	24	0	.023	.009	.000
Life sciences	347	52	4,707	7,545	16	209	150	0	.044	.020	.000
Psychology	183	34	5,121	6,863	0	161	279	0	.031	.041	.000
Social sciences	385	80	5,719	11,135	3	242	285	0	.042	.026	.000

SOURCE: National Science Foundation

classification of institutions

Institutions and their reporting units participating in the fall 1979 survey are presented alphabetically within each State for all doctorate- and master's-granting institutions, accompanied by the most recent classification code developed by the Carnegie Commission on Higher Education. This system, as developed originally in 1971, included each campus of those institutions listed

in the U.S. Office of Education's *Advance Report on Opening Fall Enrollment in Higher Education: Institutional Data, 1970*. A revised listing was published in 1976 entitled *A Classification of Institutions of Higher Education: A Report of the Carnegie Council on Policy Studies in Higher Education (Revised Edition)*, and this listing reflects the most recent version.

doctorate-granting institutions in the 1979 survey

CARNEGIE CODE

ALABAMA

- 1.2 AUBURN UNIVERSITY
GRADUATE SCHOOL (MAIN CAMPUS)
GRADUATE SCHOOL AT MONTGOMERY
- 1.3 THE UNIVERSITY OF ALABAMA
- 2.1 THE UNIVERSITY OF ALABAMA IN BIRMINGHAM
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 2.1 THE UNIVERSITY OF ALABAMA IN HUNTSVILLE
- 2.1 UNIVERSITY OF SOUTH ALABAMA
COLLEGE OF MEDICINE
GRADUATE SCHOOL

ALASKA

- 1.4 UNIVERSITY OF ALASKA AT FAIRBANKS

ARIZONA

- 1.3 ARIZONA STATE UNIVERSITY
- 2.1 NORTHERN ARIZONA UNIVERSITY
- 1.1 UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE
GRADUATE SCHOOL

ARKANSAS

- 1.2 UNIVERSITY OF ARKANSAS
- 5.2 UNIVERSITY OF ARKANSAS - MEDICAL SCIENCES CAMPUS

CALIFORNIA

- 2.1 BIOLA COLLEGE
- 5.9 CALIFORNIA INSTITUTE OF ASIAN STUDIES
- 1.1 CALIFORNIA INSTITUTE OF TECHNOLOGY
- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - BERKELEY
- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - FRESNO
- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - LOS ANGELES
- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - SAN DIEGO
- 1.2 CLAREMONT UNIVERSITY CENTER AND GRADUATE SCHOOL
- 5.2 DREW POST-GRADUATE MEDICAL SCHOOL
- 5.1 FULLER THEOLOGICAL SEMINARY
- 2.1 GOLDEN GATE UNIVERSITY
- 1.4 LOMA LINDA UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 5.9 RAND GRADUATE INSTITUTE OF POLICY STUDIES
- 2.1 SAN DIEGO STATE UNIVERSITY
- 1.1 STANFORD UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 1.4 THE FIELDING INSTITUTE
- 5.9 THE WRIGHT INSTITUTE
- 1.4 UNITED STATES INTERNATIONAL UNIVERSITY
- 5.9 UNITED STATES NAVAL POSTGRADUATE SCHOOL
- 1.1 UNIVERSITY OF CALIFORNIA AT BERKELEY
- 1.1 UNIVERSITY OF CALIFORNIA AT DAVIS
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 1.2 UNIVERSITY OF CALIFORNIA AT IRVINE
CALIFORNIA COLLEGE OF MEDICINE
GRADUATE SCHOOL
- 1.1 UNIVERSITY OF CALIFORNIA AT LOS ANGELES
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF CALIFORNIA AT RIVERSIDE
- 1.1 UNIVERSITY OF CALIFORNIA AT SAN DIEGO
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 5.2 UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO - SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF CALIFORNIA AT SANTA BARBARA
- 1.3 UNIVERSITY OF CALIFORNIA AT SANTA CRUZ
- 2.2 UNIVERSITY OF SANTA CLARA
- 1.1 UNIVERSITY OF SOUTHERN CALIFORNIA
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 1.4 UNIVERSITY OF THE PACIFIC

COLORADO

- 5.4 COLORADO SCHOOL OF MINES
- 1.1 COLORADO STATE UNIVERSITY
- 1.1 UNIVERSITY OF COLORADO
GRADUATE SCHOOL AT BOULDER
GRADUATE SCHOOL AT COLORADO SPRINGS
GRADUATE SCHOOL AT DENVER
GRADUATE SCHOOL OF PUBLIC AFFAIRS
SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF DENVER
- 1.3 UNIVERSITY OF NORTHERN COLORADO

CONNECTICUT

- 1.2 UNIVERSITY OF CONNECTICUT
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 3.1 WESLEYAN UNIVERSITY
- 1.1 YALE UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
SCHOOL OF NURSING

DELAWARE

- 1.3 UNIVERSITY OF DELAWARE

DISTRICT OF COLUMBIA

- 1.3 AMERICAN UNIVERSITY
- 1.2 CATHOLIC UNIVERSITY OF AMERICA
- 1.2 GEORGE WASHINGTON UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE AND HEALTH SCIENCES
- 1.2 GEORGETOWN UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 1.2 HOWARD UNIVERSITY
COLLEGE OF MEDICINE
GRADUATE SCHOOL

FLORIDA

- 2.1 FLORIDA ATLANTIC UNIVERSITY
- 5.4 FLORIDA INSTITUTE OF TECHNOLOGY
- 1.2 FLORIDA STATE UNIVERSITY
- 1.4 FLEET UNIVERSITY
- 2.1 NOVA UNIVERSITY
- 1.1 UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE
GRADUATE SCHOOL
- 1.1 UNIVERSITY OF MIAMI
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 1.4 UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF MEDICINE
GRADUATE SCHOOL

GEORGIA

- 5.9 ATLANTA UNIVERSITY
- 1.2 EMORY UNIVERSITY
GRADUATE SCHOOL
SCHOOL OF MEDICINE
- 1.2 GEORGIA INSTITUTE OF TECHNOLOGY
- 1.3 GEORGIA STATE UNIVERSITY
- 5.2 MEDICAL COLLEGE OF GEORGIA
- 2.2 MERCER UNIVERSITY / SOUTHERN SCHOOL OF PHARMACY
- 1.1 UNIVERSITY OF GEORGIA

HAWAII

- 1.1 UNIVERSITY OF HAWAII AT MANOA
GRADUATE SCHOOL
JOHN A. BURNS SCHOOL OF MEDICINE

IDAHOO

- 1.4 IDAHO STATE UNIVERSITY
- 1.3 UNIVERSITY OF IDAHO

ILLINOIS

- 5.2 CHICAGO COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
- 2.1 DE PAUL UNIVERSITY
- 1.3 ILLINOIS INSTITUTE OF TECHNOLOGY
- 1.4 ILLINOIS STATE UNIVERSITY
- 1.3 LOYOLA UNIVERSITY OF CHICAGO
GRADUATE SCHOOL AT THE MEDICAL CENTER
GRADUATE SCHOOL
STITCH SCHOOL OF MEDICINE
- 1.3 NORTHERN ILLINOIS UNIVERSITY
- 1.1 NORTHWESTERN UNIVERSITY
GRADUATE SCHOOL
MEDICAL SCHOOL
- 5.2 RUSH UNIVERSITY
- 1.3 SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE
- 1.1 UNIVERSITY OF CHICAGO
GRADUATE SCHOOL
PRITZKER SCHOOL OF MEDICINE
- 5.2 UNIVERSITY OF HEALTH SCIENCES - CHICAGO MEDICAL SCHOOL
- 5.2 UNIVERSITY OF ILLINOIS MEDICAL CENTER - CHICAGO
- 1.3 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE
- 1.1 UNIVERSITY OF ILLINOIS - URBANA

INDIANA

- 1.3 BALL STATE UNIVERSITY
- 2.1 INDIANA STATE UNIVERSITY
- 1.2 INDIANA UNIVERSITY - BLOOMINGTON
- 2.1 INDIANA-PURDUE UNIVERSITY AT INDIANAPOLIS
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.1 PURDUE UNIVERSITY
 - CALUMET CAMPUS
 - GRADUATE SCHOOL (MAIN CAMPUS)
- 1.3 UNIVERSITY OF NOTRE DAME

IOWA

- 5.2 COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
- 1.2 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY
- 1.1 UNIVERSITY OF IOWA
 - COLLEGE OF MEDICINE
 - GRADUATE SCHOOL
- 2.1 UNIVERSITY OF NORTHERN IOWA

KANSAS

- 2.1 FORT HAYS STATE UNIVERSITY
- 1.2 KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE
- 1.2 UNIVERSITY OF KANSAS
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 2.1 WICHITA STATE UNIVERSITY

KENTUCKY

- 1.2 UNIVERSITY OF KENTUCKY
 - COLLEGE OF MEDICINE
 - GRADUATE SCHOOL
- 1.3 UNIVERSITY OF LOUISVILLE
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE

LOUISIANA

- 1.2 LOUISIANA STATE UNIVERSITY SYSTEM
 - GRADUATE SCHOOL IN BATON ROUGE
 - MEDICAL CENTER AT NEW ORLEANS
 - SCHOOL OF MEDICINE IN SHREVEPORT
- 2.1 LOUISIANA TECH UNIVERSITY
- 2.1 NORTHEAST LOUISIANA UNIVERSITY
- 1.2 TULANE UNIVERSITY OF LOUISIANA
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
 - SCHOOL OF PUBLIC HEALTH AND TROPICAL MEDICINE
- 2.1 UNIVERSITY OF NEW ORLEANS
- 2.1 UNIVERSITY OF SOUTHWESTERN LOUISIANA

MAINE

- 1.3 UNIVERSITY OF MAINE AT ORONO

MARYLAND

- 1.1 JOHNS HOPKINS UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF HYGIENE AND PUBLIC HEALTH
 - SCHOOL OF MEDICINE
- 5.9 UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES
- 2.1 UNIVERSITY OF MARYLAND - BALTIMORE COUNTY
- 5.2 UNIVERSITY OF MARYLAND - BALTIMORE PROFESSIONAL SCHOOLS
- 1.1 UNIVERSITY OF MARYLAND - COLLEGE PARK

MASSACHUSETTS

- 1.3 BOSTON COLLEGE
- 1.1 BOSTON UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF DENTISTRY
 - SCHOOL OF MEDICINE
- 1.2 BRANDEIS UNIVERSITY
- 1.4 CLARK UNIVERSITY
- 1.1 HARVARD UNIVERSITY
 - GRADUATE SCHOOL
 - HARVARD MEDICAL SCHOOL
 - KENNEDY SCHOOL OF GOVERNMENT
 - SCHOOL OF PUBLIC HEALTH
- 5.3 MASSACHUSETTS COLLEGE OF PHARMACY
- 1.1 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
- 1.3 NORTHEASTERN UNIVERSITY
- 3.1 SMITH COLLEGE

- 1.2 TUFTS UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE

- 2.1 UNIVERSITY OF LOWELL
- 1.2 UNIVERSITY OF MASSACHUSETTS AT AMHERST
- 5.2 UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
- 5.9 WOODS HOLE OCEANOGRAPHIC INSTITUTE
- 5.4 WORCESTER POLYTECHNIC INSTITUTE

MICHIGAN

- 2.1 CENTRAL MICHIGAN UNIVERSITY
- 1.1 MICHIGAN STATE UNIVERSITY
 - GRADUATE SCHOOL AND COLLEGE OF HUMAN MEDICINE
 - MICHIGAN COLLEGE OF OSTEOPATHIC MEDICINE
- 2.1 MICHIGAN TECHNOLOGICAL UNIVERSITY
- 2.1 OAKLAND UNIVERSITY
- 1.4 UNIVERSITY OF DETROIT
- 1.1 UNIVERSITY OF MICHIGAN
 - GRADUATE SCHOOL AT ANN ARBOR
 - GRADUATE SCHOOL AT DEARBORN
 - MEDICAL SCHOOL AT ANN ARBOR
- 1.2 WAYNE STATE UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.4 WESTERN MICHIGAN UNIVERSITY

MINNESOTA

- 1.1 UNIVERSITY OF MINNESOTA
 - DULUTH SCHOOL OF MEDICINE
 - GRADUATE SCHOOL AT DULUTH
 - GRADUATE SCHOOL AT MINNEAPOLIS
 - MAYO GRADUATE SCHOOL OF MEDICINE
 - MINNEAPOLIS MEDICAL SCHOOL

MISSISSIPPI

- 1.2 MISSISSIPPI STATE UNIVERSITY
- 1.3 UNIVERSITY OF MISSISSIPPI
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF SOUTHERN MISSISSIPPI

MISSOURI

- 5.2 KANSAS CITY COLLEGE OF OSTEOPATHIC MEDICINE
- 5.2 KIRKSVILLE COLLEGE OF OSTEOPATHIC MEDICINE
- 1.2 ST. LOUIS UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.1 UNIVERSITY OF MISSOURI - COLUMBIA
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF MISSOURI - KANSAS CITY
- 1.4 UNIVERSITY OF MISSOURI - ROLLA
- 2.1 UNIVERSITY OF MISSOURI - ST. LOUIS
- 1.1 WASHINGTON UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE

MONTANA

- 1.3 MONTANA STATE UNIVERSITY
- 1.3 UNIVERSITY OF MONTANA

NEBRASKA

- 2.1 CREIGHTON UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.2 UNIVERSITY OF NEBRASKA - LINCOLN
- 2.1 UNIVERSITY OF NEBRASKA - OMAHA
- 5.2 UNIVERSITY OF NEBRASKA MEDICAL CENTER

NEVADA

- 1.4 UNIVERSITY OF NEVADA AT RENO
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICAL SCIENCES

NEW HAMPSHIRE

- 1.3 DARTMOUTH COLLEGE
 - GRADUATE SCHOOL
 - MEDICAL SCHOOL
- 1.3 UNIVERSITY OF NEW HAMPSHIRE

NEW JERSEY

- 5.1 COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY
 - GRADUATE SCHOOL OF BIOMEDICAL SCIENCES/NJ MEDICAL SCHOOL
 - MEDICAL SCHOOL AT NEWARK
 - NEW JERSEY DENTAL SCHOOL
 - NEW JERSEY SCHOOL OF OSTEOPATHIC MEDICINE
 - RUTGERS MEDICAL SCHOOL
- 2.1 PATRICK DICKINSON UNIVERSITY
 - MADISON CAMPUS
 - RUTHERFORD CAMPUS
 - TEANECK CAMPUS
- 5.4 NEW JERSEY INSTITUTE OF TECHNOLOGY
- 1.1 PRINCETON UNIVERSITY
- 1.2 RUTGERS THE STATE UNIVERSITY
 - GRADUATE SCHOOL AT NEW BRUNSWICK
 - GRADUATE SCHOOL AT NEWARK
 - SCHOOL OF CRIMINAL JUSTICE
- 2.1 SETON HALL UNIVERSITY
- 5.4 STEVENS INSTITUTE OF TECHNOLOGY

NEW MEXICO

- 5.4 NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
- 1.3 NEW MEXICO STATE UNIVERSITY
- 1.2 UNIVERSITY OF NEW MEXICO
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE

NEW YORK

- 1.4 ADELPHI UNIVERSITY
- 5.2 ALBANY MEDICAL COLLEGE
- 2.2 ALFRED UNIVERSITY
- 5.4 CLARKSON COLLEGE OF TECHNOLOGY
- 1.1 COLUMBIA UNIVERSITY MAIN DIVISION
 - COLLEGE OF PHYSICIANS AND SURGEONS
 - GRADUATE SCHOOL
- 5.9 COLUMBIA UNIVERSITY TEACHERS COLLEGE
- 1.1 CORNELL UNIVERSITY
 - GRADUATE SCHOOL
 - GRADUATE SCHOOL OF MEDICAL SCIENCES
 - MEDICAL COLLEGE
- 1.2 CITY UNIVERSITY OF NEW YORK GRADUATE SCHOOL AND UNIVERSITY CENTER
- 5.2 CITY UNIVERSITY OF NEW YORK MOUNT SINAI SCHOOL OF MEDICINE
- 1.3 FORDHAM UNIVERSITY
- 1.4 Hofstra University
- 2.1 LONG ISLAND UNIVERSITY
 - A & M SCHWARTZ COLLEGE OF PHARMACY AND HEALTH SCIENCES
 - BROOKLYN CENTER
 - C. W. POST CENTER
- 1.4 NEW SCHOOL FOR SOCIAL RESEARCH
- 5.4 NEW YORK INSTITUTE OF TECHNOLOGY
 - GRADUATE SCHOOL
 - NY COLLEGE OF OSTEOPATHIC MEDICINE
- 5.2 NEW YORK MEDICAL COLLEGE
- 1.1 NEW YORK UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 2.1 PACE UNIVERSITY
 - NEW YORK CAMPUS
 - WESTCHESTER CAMPUS
- 1.3 POLYTECHNIC INSTITUTE OF NEW YORK
- 1.3 RENSSELAER POLYTECHNIC INSTITUTE
- 5.9 ROCKEFELLER UNIVERSITY
- 2.1 ST. BONAVENTURE UNIVERSITY
- 1.3 ST. JOHN'S UNIVERSITY
- 1.3 STATE UNIVERSITY OF NEW YORK - ALBANY
- 1.3 STATE UNIVERSITY OF NEW YORK - BINGHAMTON
- 1.2 STATE UNIVERSITY OF NEW YORK - BUFFALO
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 2.2 STATE UNIVERSITY OF NEW YORK - COLLEGE AT BUFFALO
- 5.9 STATE UNIVERSITY OF NEW YORK - COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
- 5.2 STATE UNIVERSITY OF NEW YORK - DOWNSTATE MEDICAL CENTER
- 1.2 STATE UNIVERSITY OF NEW YORK - STONY BROOK
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 5.2 STATE UNIVERSITY OF NEW YORK - UPSTATE MEDICAL CENTER
- 5.3 STATE UNIVERSITY OF NEW YORK STATE COLLEGE OF OPTOMETRY
- 1.2 SYRACUSE UNIVERSITY
- 2.2 UNION COLLEGE
- 1.1 UNIVERSITY OF ROCHESTER
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE AND DENTISTRY
- 1.1 YESHIVA UNIVERSITY
 - ALBERT EINSTEIN COLLEGE OF MEDICINE
 - GRADUATE SCHOOL

NORTH CAROLINA

- 1.1 DUKE UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE

- 2.1 EAST CAROLINA UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.1 NORTH CAROLINA STATE UNIVERSITY AT RALIGH
- 1.1 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.4 UNIVERSITY OF NORTH CAROLINA AT GREENSBORO
- 2.1 WAKE FOREST UNIVERSITY
 - BOWMAN GRAY SCHOOL OF MEDICINE
 - GRADUATE SCHOOL

NORTH DAKOTA

- 1.3 NORTH DAKOTA STATE UNIVERSITY
- 1.3 UNIVERSITY OF NORTH DAKOTA
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE

OHIO

- 5.9 AIR FORCE INSTITUTE OF TECHNOLOGY
- 1.4 BOWLING GREEN STATE UNIVERSITY
- 1.1 CASE WESTERN RESERVE UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 2.1 CLEVELAND STATE UNIVERSITY
- 1.3 KENT STATE UNIVERSITY
- 5.2 MEDICAL COLLEGE OF OHIO AT TOLEDO
- 1.4 MIAMI UNIVERSITY
- 5.2 NE OHIO UNIVERSITIES COLLEGE OF MEDICINE
- 1.1 OHIO STATE UNIVERSITY
 - COLLEGE OF MEDICINE
 - GRADUATE SCHOOL
- 1.3 OHIO UNIVERSITY
 - COLLEGE OF OSTEOPATHIC MEDICINE
 - GRADUATE COLLEGE
- 6.0 UNION OF EXPERIMENTING COLLEGES AND UNIVERSITIES
- 1.4 UNIVERSITY OF AKRON
- 1.2 UNIVERSITY OF CINCINNATI
 - COLLEGE OF MEDICINE
 - GRADUATE SCHOOL
- 2.1 UNIVERSITY OF DAYTON
- 1.3 UNIVERSITY OF TOLEDO
- 2.1 WRIGHT STATE UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE

OKLAHOMA

- 5.2 OKLAHOMA COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
- 1.2 OKLAHOMA STATE UNIVERSITY
- 2.1 ORAL ROBERTS UNIVERSITY
 - SCHOOL OF DENTISTRY
 - SCHOOL OF MEDICINE
- 1.2 UNIVERSITY OF OKLAHOMA - NORMAN
- 5.2 UNIVERSITY OF OKLAHOMA HEALTH SCIENCE CENTER
- 1.4 UNIVERSITY OF TULSA

OREGON

- 5.9 OREGON GRADUATE CENTER
- 1.1 OREGON STATE UNIVERSITY
- 2.1 PORTLAND STATE UNIVERSITY
- 1.2 UNIVERSITY OF OREGON
- 5.2 UNIVERSITY OF OREGON HEALTH SCIENCE CENTER

PENNSYLVANIA

- 3.1 BRYN MAWR COLLEGE
- 1.2 CARNEGIE-MELLON UNIVERSITY
- 2.1 DREXEL UNIVERSITY
- 2.1 DUQUESNE UNIVERSITY
- 5.2 HAMMANN MEDICAL COLLEGE AND HOSPITAL
- 1.3 LEHIGH UNIVERSITY
- 1.1 PENNSYLVANIA STATE UNIVERSITY
 - COLLEGE OF MEDICINE
 - GRADUATE SCHOOL
- 5.2 PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE
- 5.3 PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE
- 1.2 TEMPLE UNIVERSITY
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 5.2 THE MEDICAL COLLEGE OF PENNSYLVANIA
- 5.2 THOMAS JEFFERSON UNIVERSITY
- 1.1 UNIVERSITY OF PENNSYLVANIA
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 1.1 UNIVERSITY OF PITTSBURGH
 - GRADUATE SCHOOL
 - SCHOOL OF MEDICINE
- 2.1 VILLANOVA UNIVERSITY

RHODE ISLAND

- 1.2 BROWN UNIVERSITY
- 2.1 PROVIDENCE COLLEGE
- 1.3 UNIVERSITY OF RHODE ISLAND

SOUTH CAROLINA

- 1.3 CLEMSON UNIVERSITY
- 5.2 MEDICAL UNIVERSITY OF SOUTH CAROLINA
- 1.3 UNIVERSITY OF SOUTH CAROLINA
- GRADUATE SCHOOL
- MEDICAL SCHOOL

SOUTH DAKOTA

- 5.4 SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY
- 1.4 SOUTH DAKOTA STATE UNIVERSITY
- 1.4 UNIVERSITY OF SOUTH DAKOTA
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE

TENNESSEE

- 2.1 EAST TENNESSEE STATE UNIVERSITY
- COLLEGE OF MEDICINE
- GRADUATE SCHOOL
- 5.2 MEHARRY MEDICAL COLLEGE
- 1.4 MEMPHIS STATE UNIVERSITY
- 2.1 TENNESSEE TECHNOLOGICAL UNIVERSITY
- 1.2 UNIVERSITY OF TENNESSEE AT KNOXVILLE
- 5.2 UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES
- 1.2 VANDERBILT UNIVERSITY
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE

TEXAS

- 5.3 BAYLOR COLLEGE OF DENTISTRY
- 5.2 BAYLOR COLLEGE OF MEDICINE
- 1.4 BAYLOR UNIVERSITY
- 1.4 EAST TEXAS STATE UNIVERSITY
- 2.1 LAMAR UNIVERSITY
- 1.4 NORTH TEXAS STATE UNIVERSITY
- 1.3 RICE UNIVERSITY
- 2.1 SAM HOUSTON STATE UNIVERSITY
- 1.3 SOUTHERN METHODIST UNIVERSITY
- 2.1 STEPHEN F. AUSTIN STATE UNIVERSITY
- 1.1 TEXAS A & M UNIVERSITY
- 1.4 TEXAS CHRISTIAN UNIVERSITY
- 5.2 TEXAS COLLEGE OF OSTEOPATHIC MEDICINE
- 1.3 TEXAS TECH UNIVERSITY
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE
- 1.4 TEXAS WOMAN'S UNIVERSITY
- 1.3 UNIVERSITY OF HOUSTON
- GRADUATE SCHOOL
- VICTORIA CAMPUS
- 2.1 UNIVERSITY OF TEXAS AT ARLINGTON
- 1.1 UNIVERSITY OF TEXAS AT AUSTIN
- 5.9 UNIVERSITY OF TEXAS AT DALLAS
- 2.1 UNIVERSITY OF TEXAS AT EL PASO
- 5.2 UNIVERSITY OF TEXAS CANCER CENTER
- 5.2 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
- 5.3 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON
- 5.2 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER SAN ANTONIO
- 5.2 UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

UTAH

- 1.3 BRIGHAM YOUNG UNIVERSITY
- 1.1 UNIVERSITY OF UTAH
- COLLEGE OF MEDICINE
- GRADUATE SCHOOL
- 1.2 UTAH STATE UNIVERSITY

VERMONT

- 1.2 UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE
- COLLEGE OF MEDICINE
- GRADUATE SCHOOL

VIRGINIA

- 1.4 COLLEGE OF WILLIAM AND MARY
- 5.2 EASTERN VIRGINIA MEDICAL SCHOOL
- 5.4 INSTITUTE OF TEXTILE TECHNOLOGY
- 2.1 OLD DOMINION UNIVERSITY
- 1.2 UNIVERSITY OF VIRGINIA
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE
- 1.3 VIRGINIA COMMONWEALTH UNIVERSITY
- GRADUATE SCHOOL
- MEDICAL COLLEGE OF VIRGINIA
- 1.2 VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

WASHINGTON

- 1.1 UNIVERSITY OF WASHINGTON
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE
- SCHOOL OF PUBLIC HEALTH AND COMMUNITY MEDICINE
- 1.2 WASHINGTON STATE UNIVERSITY

WEST VIRGINIA

- 2.1 MARSHALL UNIVERSITY
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE
- 5.2 WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE
- 1.2 WEST VIRGINIA UNIVERSITY
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE

WISCONSIN

- 5.4 INSTITUTE OF PAPER CHEMISTRY
- 1.3 MARQUETTE UNIVERSITY
- 5.2 MEDICAL COLLEGE OF WISCONSIN
- 1.1 UNIVERSITY OF WISCONSIN - MADISON
- GRADUATE SCHOOL
- MEDICAL SCHOOL
- 1.3 UNIVERSITY OF WISCONSIN - MILWAUKEE

WYOMING

- 1.3 UNIVERSITY OF WYOMING

PUERTO RICO

- 2.1 CATHOLIC UNIVERSITY OF PUERTO RICO
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE
- 2.1 UNIVERSITY OF PUERTO RICO - MAYAGUEZ
- 2.1 UNIVERSITY OF PUERTO RICO - RIO PIEDRAS
- 5.2 UNIVERSITY OF PUERTO RICO MEDICAL SCIENCE CAMPUS

master's-granting institutions in the 1979 survey

CARNEGIE CODE

ALABAMA

2.1 ALABAMA A & M UNIVERSITY
2.2 ALABAMA STATE UNIVERSITY
2.1 JACKSONVILLE STATE UNIVERSITY
2.1 SAMFORD UNIVERSITY
2.1 TROY STATE UNIVERSITY
2.1 TROY STATE UNIVERSITY AT MONTGOMERY
2.1 TUSKEGEE INSTITUTE
2.1 UNIVERSITY OF MONTEVALLO
2.1 UNIVERSITY OF NORTH ALABAMA

ALASKA

2.2 UNIVERSITY OF ALASKA AT ANCHORAGE
5.9 UNIVERSITY OF ALASKA SOUTHEAST

ARKANSAS

2.1 ARKANSAS STATE UNIVERSITY
2.1 HENDERSON STATE UNIVERSITY
2.1 UNIVERSITY OF ARKANSAS AT LITTLE ROCK
2.1 UNIVERSITY OF CENTRAL ARKANSAS

CALIFORNIA

3.2 AZUSA PACIFIC COLLEGE
2.1 CALIFORNIA POLYTECHNIC STATE UNIVERSITY AT SAN LUIS OBISPO
3.2 CALIFORNIA STATE COLLEGE AT SAN BERNARDINO
2.2 CALIFORNIA STATE COLLEGE OF STANISLAUS
2.1 CALIFORNIA STATE POLYTECHNIC UNIVERSITY AT POMONA
3.2 CALIFORNIA STATE UNIVERSITY AT DOMINGUEZ HILLS
2.1 CALIFORNIA STATE UNIVERSITY AT FULLERTON
2.1 CALIFORNIA STATE UNIVERSITY AT HAYWARD
2.1 CALIFORNIA STATE UNIVERSITY AT LONG BEACH
2.1 CALIFORNIA STATE UNIVERSITY AT LOS ANGELES
2.1 CALIFORNIA STATE UNIVERSITY AT CHICO
2.1 CALIFORNIA STATE UNIVERSITY AT FRESNO
2.1 CALIFORNIA STATE UNIVERSITY AT MORTENRIDGE
2.1 CALIFORNIA STATE UNIVERSITY AT SACRAMENTO
3.2 CALIFORNIA LUTHERAN COLLEGE
3.2 CALIFORNIA STATE COLLEGE AT BAKERSFIELD
3.2 CHAPMAN COLLEGE
3.2 DOMINICAN COLLEGE OF SAN RAFAEL
3.1 HARVEY MUDD COLLEGE
3.2 HOLY NAMES COLLEGE
2.1 HUMBOLDT STATE UNIVERSITY
3.2 IMMACULATE HEART COLLEGE
3.2 JOHN F. KENNEDY UNIVERSITY
2.1 LLOYOLA MARYMOUNT UNIVERSITY
5.9 MONTEREY INSTITUTE OF INTERNATIONAL STUDIES
3.2 NATIONAL UNIVERSITY
5.4 NORTHROP UNIVERSITY
3.1 OCCIDENTAL COLLEGE
3.2 PACIFIC STATES UNIVERSITY
3.2 PACIFIC UNION COLLEGE
3.2 PEPPERDINE UNIVERSITY
2.1 SAN FRANCISCO STATE UNIVERSITY
2.1 SAN JOSE STATE UNIVERSITY
2.2 SONOMA STATE UNIVERSITY
3.2 UNIVERSITY OF LA VERNE
3.1 UNIVERSITY OF REDLANDS
2.1 UNIVERSITY OF SAN DIEGO
2.1 UNIVERSITY OF SAN FRANCISCO
5.4 WEST COAST UNIVERSITY
3.2 WHITTIER COLLEGE

COLORADO

2.2 ADAMS STATE UNIVERSITY
2.1 WESTERN STATE COLLEGE OF COLORADO

CONNECTICUT

2.1 CENTRAL CONNECTICUT STATE COLLEGE
3.1 CONNECTICUT COLLEGE
2.1 JENNIPAC COLLEGE
2.2 SOUTHERN CONNECTICUT STATE COLLEGE
3.2 ST. JOSEPH COLLEGE
5.4 THE HARTFORD GRADUATE CENTER
3.1 TRINITY COLLEGE
2.1 UNIVERSITY OF BRIDGEPORT
2.1 UNIVERSITY OF HARTFORD
2.1 UNIVERSITY OF NEW HAVEN
2.1 WESTERN CONNECTICUT STATE COLLEGE

DISTRICT OF COLUMBIA

3.2 GALLAUDET COLLEGE
2.1 THE UNIVERSITY OF THE DISTRICT OF COLUMBIA

FLORIDA

3.2 BARRY COLLEGE
3.2 BISCAYNE COLLEGE
2.1 FLORIDA A & M UNIVERSITY
2.1 FLORIDA INTERNATIONAL UNIVERSITY
2.2 JACKSONVILLE UNIVERSITY
2.1 ROLLINS COLLEGE
2.1 STETSON UNIVERSITY
2.1 UNIVERSITY OF CENTRAL FLORIDA
2.1 UNIVERSITY OF WEST FLORIDA

GEORGIA

2.1 ARMSTRONG STATE COLLEGE
2.1 AUGUSTA COLLEGE
2.2 GEORGIA COLLEGE
2.1 GEORGIA SOUTHERN COLLEGE
2.1 VALDOSTA STATE COLLEGE
2.1 WEST GEORGIA COLLEGE

ILLINOIS

3.1 AUGUSTANA COLLEGE
2.1 BRADLEY UNIVERSITY
2.1 CHICAGO STATE UNIVERSITY
2.1 EASTERN ILLINOIS UNIVERSITY
3.2 GEORGE WILLIAMS COLLEGE
2.2 GOVERNORS STATE UNIVERSITY
5.4 MIDWEST COLLEGE OF ENGINEERING
2.2 NORTHEASTERN ILLINOIS UNIVERSITY
2.1 ROOSEVELT UNIVERSITY
3.2 SANGAMON STATE UNIVERSITY
2.1 SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE
2.1 WESTERN ILLINOIS UNIVERSITY

INDIANA

2.1 BUTLER UNIVERSITY
2.1 DE PAUM UNIVERSITY
2.1 INDIANA CENTRAL UNIVERSITY
2.1 INDIANA-PURDUE UNIVERSITY AT FORT WAYNE
2.1 INDIANA UNIVERSITY AT SOUTH BEND
5.4 ROSE-HULMAN INSTITUTE OF TECHNOLOGY
3.2 SAINT FRANCIS COLLEGE
2.1 UNIVERSITY OF EVANSVILLE
2.1 VALPARAISO UNIVERSITY

IOWA

2.1 DRAKE UNIVERSITY
3.1 LORAS COLLEGE

KANSAS

2.1 EMPORIA STATE UNIVERSITY - KANSAS
2.1 PITTSBURG STATE UNIVERSITY
2.1 WASHBURN UNIVERSITY OF TOPEKA

KENTUCKY

2.1 EASTERN KENTUCKY UNIVERSITY
2.1 MOREHEAD STATE UNIVERSITY
2.1 MURRAY STATE UNIVERSITY
3.2 SPALDING COLLEGE
2.1 WESTERN KENTUCKY UNIVERSITY

LOUISIANA

2.1 GRAMBLING STATE UNIVERSITY
2.1 LOYOLA UNIVERSITY IN NEW ORLEANS
2.1 MCNEESE STATE UNIVERSITY
2.1 NICHOLLS STATE UNIVERSITY
2.1 NORTHWESTERN STATE UNIVERSITY OF LOUISIANA
2.1 SOUTHEASTERN LOUISIANA UNIVERSITY
2.1 SOUTHERN UNIVERSITY & A M COLLEGE

MARYLAND

2.2 COPPIN STATE COLLEGE
2.2 FROSTBURG STATE COLLEGE
2.2 HOOD COLLEGE
2.1 LOYOLA COLLEGE
2.1 MORGAN STATE UNIVERSITY
2.2 TOWSON STATE UNIVERSITY
2.1 UNIVERSITY OF BALTIMORE
3.1 WASHINGTON COLLEGE

MASSACHUSETTS

2.1 AMERICAN INTERNATIONAL COLLEGE
3.2 ANNA MARIA COLLEGE
3.2 ASSUMPTION COLLEGE
2.2 BOSTON STATE COLLEGE
2.2 BRIDGEWATER STATE COLLEGE
3.1 COLLEGE OF THE HOLY CROSS
2.2 EMERSON COLLEGE
2.1 FRAMINGHAM STATE COLLEGE
3.1 MOUNT HOLYOKE COLLEGE
2.1 SALEM STATE COLLEGE
2.1 SOUTHEASTERN MASSACHUSETTS UNIVERSITY
2.1 SUFFOLK UNIVERSITY
3.2 UNIVERSITY OF MASSACHUSETTS - BOSTON
2.1 WESTERN NEW ENGLAND COLLEGE
3.1 WILLIAM COLLEGE
2.2 WORCESTER STATE COLLEGE

MICHIGAN

2.1 ANDREWS UNIVERSITY
2.1 EASTERN MICHIGAN UNIVERSITY
2.1 NORTHERN MICHIGAN UNIVERSITY

MINNESOTA

2.1 BENEDICT STATE UNIVERSITY
2.1 MANKATO STATE UNIVERSITY
2.1 MOREHEAD STATE UNIVERSITY
2.1 ST CLOUD STATE UNIVERSITY
3.2 ST. MARY'S COLLEGE
2.1 WINONA STATE UNIVERSITY

MISSISSIPPI

2.1 DELTA STATE UNIVERSITY
2.1 JACKSON STATE UNIVERSITY
2.1 MISSISSIPPI COLLEGE
2.1 MISSISSIPPI UNIVERSITY FOR WOMEN

MISSOURI

2.1 CENTRAL MISSOURI STATE UNIVERSITY
2.1 NORTHEAST MISSOURI STATE UNIVERSITY
2.1 NORTHWEST MISSOURI STATE UNIVERSITY
2.1 SOUTHEAST MISSOURI STATE UNIVERSITY
2.1 SOUTHWEST MISSOURI STATE UNIVERSITY

MONTANA

5.4 MONTANA COLLEGE MINERAL SCI & TECHNOLOGY

NEBRASKA

2.1 KEARNEY STATE COLLEGE

NEVADA

2.1 UNIVERSITY OF NEVADA AT LAS VEGAS

NEW HAMPSHIRE

3.2 RIVIER COLLEGE

NEW JERSEY

1.4 DREW UNIVERSITY
2.2 KEAN COLLEGE OF NEW JERSEY
2.1 MONMOUTH COLLEGE
2.2 MONTCLAIR STATE COLLEGE
2.1 RIDER COLLEGE
2.1 TRENTON STATE COLLEGE
2.1 WILLIAM PATTERSON COLLEGE

NEW MEXICO

2.1 EASTERN NEW MEXICO UNIVERSITY
2.1 NEW MEXICO HIGHLANDS UNIVERSITY
2.2 WESTERN NEW MEXICO UNIVERSITY

NEW YORK

3.1 COLLEGE OF NEW ROCHELLE
3.2 COLLEGE OF ST. ROSE
2.2 COOPER UNION
5.5 CUNY BERNARD BARUCH COLLEGE
2.1 CUNY BROOKLYN COLLEGE
2.1 CUNY CITY COLLEGE
2.2 CUNY COLLEGE OF STATEN ISLAND ST. GEORGE
2.1 CUNY HUNTER COLLEGE
5.9 CUNY JOHN JAY COLLEGE OF CRIM JUSTICE
2.1 CUNY LEHMAN COLLEGE
2.1 CUNY QUEENS COLLEGE
2.1 IONA COLLEGE
2.1 ITHACA COLLEGE
2.1 MANHATTAN COLLEGE
3.2 MARIST COLLEGE
2.1 NIAGARA UNIVERSITY
2.1 PRATT INSTITUTE
2.1 ROCHESTER INSTITUTE OF TECHNOLOGY
2.1 RUSSELL SAGE COLLEGE
3.1 SARAH LAWRENCE COLLEGE
2.1 SUNY COLLEGE AT BROCKPORT
2.1 SUNY COLLEGE AT CORTLAND
2.2 SUNY COLLEGE AT FREDONIA
2.1 SUNY COLLEGE AT GENESEO
2.2 SUNY COLLEGE AT NEW PALTZ
2.2 SUNY COLLEGE AT ONEONTA
2.1 SUNY COLLEGE AT OSWEGO
2.1 SUNY COLLEGE AT PLATTSBURGH
2.2 SUNY COLLEGE AT POTSDAM
3.1 VASSAR COLLEGE
2.1 WAGNER COLLEGE

NORTH CAROLINA

2.1 APPALACHIAN STATE UNIVERSITY
2.2 CAMPBELL UNIVERSITY
2.1 NORTH CAROLINA A & T STATE UNIVERSITY
2.1 NORTH CAROLINA CENTRAL UNIVERSITY
2.1 UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
2.1 WESTERN CAROLINA UNIVERSITY

OHIO

2.2 ANTIOCH UNIVERSITY
2.1 JOHN CARROLL UNIVERSITY
3.1 OBERLIN COLLEGE
2.1 XAVIER UNIVERSITY
2.1 YOUNGSTOWN STATE UNIVERSITY

OKLAHOMA

2.1 EAST CENTRAL OKLAHOMA STATE UNIVERSITY
2.2 PHILLIPS UNIVERSITY
2.1 SOUTHWESTERN OKLAHOMA STATE UNIVERSITY

OREGON

2.2 OREGON COLLEGE OF EDUCATION
3.2 PACIFIC UNIVERSITY
2.1 SOUTHERN OREGON STATE COLLEGE
1.4 UNIVERSITY OF PORTLAND

PENNSYLVANIA

2.1 BLOOMSBURG STATE COLLEGE
2.1 BUCKNELL UNIVERSITY
2.2 CALIFORNIA STATE COLLEGE
2.1 CHEYNEY STATE COLLEGE
2.1 CLARION STATE COLLEGE
2.2 EAST STROUDSBURG STATE COLLEGE
2.2 EDINBORO STATE COLLEGE
2.1 GANNON COLLEGE
2.1 INDIANA UNIVERSITY OF PENNSYLVANIA
2.2 KUTZTOWN STATE COLLEGE
2.2 MANSFIELD STATE COLLEGE
2.2 MARYWOOD COLLEGE
2.2 MILLERSVILLE STATE COLLEGE
2.1 SHIPPENSBURG STATE COLLEGE
2.2 SLIPPERY ROCK STATE COLLEGE
2.1 ST. JOSEPH'S UNIVERSITY
3.1 SWARTHMORE COLLEGE
2.1 UNIVERSITY OF SCRANTON
2.1 WEST CHESTER STATE COLLEGE
2.1 WIDENER COLLEGE
3.2 WILKES COLLEGE

RHODE ISLAND

2.1 RHODE ISLAND COLLEGE

SOUTH CAROLINA

2.1 CITADEL MILITARY COLL OF SOUTH CAROLINA
3.2 COLLEGE OF CHARLESTON
3.1 FURMAN UNIVERSITY
2.1 WINTHROP COLLEGE

TENNESSEE

2.1 AUSTIN PEAY STATE UNIVERSITY
3.2 FISK UNIVERSITY
2.1 MIDDLE TENNESSEE STATE UNIVERSITY
2.1 TENNESSEE STATE UNIVERSITY
2.1 UNIVERSITY OF TENNESSEE AT CHATTANOOGA

TEXAS

2.1 ABILENE CHRISTIAN UNIVERSITY
3.2 AMERICAN TECHNOLOGICAL UNIVERSITY

2.1 ANGELO STATE UNIVERSITY
3.2 CORPUS CHRISTI STATE UNIVERSITY
3.2 INCARNATE WORD COLLEGE
2.1 MIDWESTERN STATE UNIVERSITY
2.1 PAN AMERICAN UNIVERSITY
2.1 PRAIRIE VIEW A & M UNIVERSITY
2.1 SOUTHWEST TEXAS STATE UNIVERSITY
2.1 ST. MARY'S UNIVERSITY OF SAN ANTONIO
2.1 SUL ROSS STATE UNIVERSITY
2.1 TARLETON STATE UNIVERSITY
2.1 TEXAS A & I UNIVERSITY
2.1 TEXAS SOUTHERN UNIVERSITY
2.1 TRINITY UNIVERSITY
3.1 UNIVERSITY OF HOUSTON AT CLEAR LAKE CITY
3.2 UNIVERSITY OF TEXAS AT SAN ANTONIO
3.2 UNIVERSITY OF TEXAS AT TYLER
2.2 UNIVERSITY OF TEXAS OF THE PERMIAN BASIN
2.1 WEST TEXAS STATE UNIVERSITY

VERMONT

3.1 GODDARD COLLEGE
3.1 MIDDLEBURY COLLEGE
3.2 NORWICH UNIVERSITY
2.2 ST. MICHAEL'S COLLEGE

VIRGINIA

2.1 GEORGE MASON UNIVERSITY
2.1 HAMPTON INSTITUTE
3.1 HOLLINS COLLEGE
2.2 JAMES MADISON UNIVERSITY
3.2 LYNCHBURG COLLEGE
2.2 RADFORD COLLEGE
2.1 UNIVERSITY OF RICHMOND
2.1 VIRGINIA STATE UNIVERSITY

WASHINGTON

2.2 CENTRAL WASHINGTON UNIVERSITY
2.1 EASTERN WASHINGTON UNIVERSITY
2.1 PACIFIC LUTHERAN UNIVERSITY
2.1 SEATTLE UNIVERSITY
2.1 UNIVERSITY OF PUGET SOUND
2.2 WALLA WALLA COLLEGE
2.2 WESTERN WASHINGTON UNIVERSITY
2.2 WHITWORTH COLLEGE

WEST VIRGINIA

5.9 WEST VIRGINIA COLLEGE OF GRADUATE STUDIES

WISCONSIN

5.4 MILWAUKEE SCHOOL OF ENGINEERING
2.1 UNIVERSITY OF WISCONSIN - EAU CLAIRE
2.1 UNIVERSITY OF WISCONSIN - GREEN BAY
2.1 UNIVERSITY OF WISCONSIN - LA CROSSE
2.1 UNIVERSITY OF WISCONSIN - OSHKOSH
2.1 UNIVERSITY OF WISCONSIN - PLATTEVILLE
2.1 UNIVERSITY OF WISCONSIN - RIVER FALLS
2.1 UNIVERSITY OF WISCONSIN - STEVENS POINT
2.1 UNIVERSITY OF WISCONSIN - STOUT
2.1 UNIVERSITY OF WISCONSIN - SUPERIOR
2.2 UNIVERSITY OF WISCONSIN - WHITWATER

GUAM

2.1 UNIVERSITY OF GUAM

PUERTO RICO

5.9 CARIBBEAN CENTER FOR ADVANCED STUDIES
3.2 INTER AMERICAN UNIVERSITY OF PUERTO RICO AT SAN GERMAN
2.2 WORLD UNIVERSITY

statistical tables

All Graduate Institutions

Graduate Students: 1979

A-1. By field, highest degree granted, and enrollment status: 1979	15
A-2. By field, level of study, type of control, sex, and level of department: 1979	16
A-3. By field, type of control, enrollment status, and level of study: 1979	17
A-4. By geographic distribution, highest degree granted, and enrollment status: 1979	18

Full time: 1979

A-5. By field, level of study, citizenship, sex, and type of control: 1979	19
A-6. In doctorate-granting institutions by field, level of study, citizenship, sex, and type of control: 1979	20
A-7. In master's-granting institutions by field, level of study, citizenship, sex, and type of control: 1979	21
A-8. By sex, source of major support, and area of science: 1979	22
A-9. In doctorate-granting institutions by sex, source of major support, and area of science: 1979	23
A-10. In master's-granting institutions by sex, source of major support, and area of science: 1979	24
A-11. By highest degree granted and source and type of major support: 1979	25

A-12. By field and type of major support: 1979	26
A-13. In doctorate-granting institutions by field and type of major support: 1979	27
A-14. In master's-granting institutions by field and type of major support: 1979	28

Part time: 1979

A-15. By field, level of study, sex, and type of control: 1979	29
A-16. In doctorate-granting institutions by field, level of study, sex, and type of control: 1979	30
A-17. In master's-granting institutions by field, level of study, sex, and type of control: 1979	31

Postdoctorates: 1979

A-18. By field, source of support and citizenship: 1979	32
A-19. In public institutions by field, source of support and citizenship: 1979	33
A-20. In private institutions by field, source of support and citizenship: 1979	34
A-21. Male postdoctorates by field, source of support and citizenship: 1979	35
A-22. Female postdoctorates by field, source of support and citizenship: 1979	36
A-23. Postdoctorates and other non-faculty doctoral research staff by field and highest degree granted: 1979	37

A-24. In public institutions by field and highest degree granted: 1979	38
A-25. In private institutions by field and highest degree granted: 1979	39
A-26. Males by field and highest degree granted: 1979	40
A-27. Females by field and highest degree granted: 1979	41

Doctorate-granting Institutions

Graduate Students: 1974-79

B-1. By field: 1974-79	42
B-2. In public institutions by field: 1974-79	43
B-3. In private institutions by field: 1974-79	44
B-4. First year by field: 1974-79	45
B-5. Beyond first year by field: 1974-79	46
B-6. By geographic distribution: 1974-79	47

Full time: 1974-79

B-7. By field: 1974-79	48
B-8. In public institutions by field: 1974-79	49
B-9. In private institutions by field: 1974-79	50
B-10. First year by field: 1974-79	51
B-11. Beyond first year by field: 1974-79	52
B-12. Males by field: 1974-79	53

B-13. Females by field: 1974-79	54	B-33. By type and source of major support: 1974-79	79	C-6. In public institutions by field: 1976-79	97
B-14. Supported by Federal sources by field: 1974-79	55	Part time: 1974-79		C-7. In private institutions by field: 1976-79	98
B-15. Supported by institutional sources by field: 1974-79	56	B-34. By field: 1974-79	80	C-8. Males by field: 1976-79	99
B-16. Supported by other outside sources by field: 1974-79	57	B-35. In public institutions by field: 1974-79	81	C-9. Females by field: 1976-79	100
B-17. Self-supported by field: 1974-79	58	B-36. In private institutions by field: 1974-79	82	C-10. Supported by Federal sources by field: 1976-79	101
B-18. With fellowships and traineeships by field: 1974-79	59	B-37. First year by field: 1974-79	83	C-11. Supported by institutional sources by field: 1976-79	102
B-19. With research assistantships by field: 1974-79	60	B-38. Beyond first year by field: 1974-79	84	C-12. Supported by other outside sources by field: 1976-79	103
B-20. With teaching assistantships by field: 1974-79	61	B-39. By geographic distribution: 1974-79	85	C-13. Self-supported by field: 1976-79	104
B-21. With other types of support by field: 1974-79	62	Postdoctorates: 1974-79		C-14. By geographic distribution: 1976-79	105
B-22. U.S. citizens by field: 1974-79	63	B-40. By field: 1974-79	86	Part time: 1976-79	
B-23. Foreign students by field: 1974-79	64	B-41. In public institutions by field: 1974-79	87	C-15. By field: 1976-79	106
B-24. By geographic distribution: 1974-79	65	B-42. In private institutions by field: 1974-79	88	C-16. In public institutions by field: 1976-79	107
B-25. By area of science and source of major support: 1974-79	66	B-43. Supported by Federal sources by field: 1974-79	89	C-17. In private institutions by field: 1976-79	108
B-26. In public institutions by area of science and source of major support: 1974-79	68	B-44. Supported by non-Federal sources by field: 1974-79	90	C-18. Males by field: 1976-79	109
B-27. In private institutions by area of science and source of major support: 1974-79	70	B-45. By geographic distribution: 1974-79	91	C-19. Females by field: 1976-79	110
B-28. Males by area of science and source of major support: 1974-79	72	Master's-granting institutions		C-20. By geographic distribution: 1976-79	111
B-29. Females by area of science and source of major support: 1974-79	74	Graduate Students: 1976-79		Special Tables	
B-30. By area of science and type of major support: 1974-79	76	C-1. By field: 1976-79	92	D-1. Departmental population at doctorate-granting institutions: 1974-79	112
B-31. In public institutions by area of science and type of major support: 1974-79	77	C-2. In public institutions by field: 1976-79	93	D-2. Departmental population at master's-granting institutions: 1976-79	113
B-32. In private institutions by area of science and type of major support: 1974-79	78	C-3. In private institutions by field: 1976-79	94	D-3. Doctorate-granting institutions ranked by total graduate enrollment: 1979	114
		C-4. By geographic distribution: 1976-79	95	D-4. Master's-granting institutions ranked by total graduate enrollment: 1979	120
		Full time: 1976-79		D-5. Graduate institutions ranked by postdoctoral utilization: 1979	126
		C-5. By field: 1976-79	96		

TABLE A-1. GRADUATE STUDENTS IN ALL INSTITUTIONS BY FIELD OF SCIENCE,
HIGHEST DEGREE GRANTED, AND ENROLLMENT STATUS: 1979

FIELD OF SCIENCE	ALL INSTITUTIONS			DOCTORATE-GRANTING			MASTER'S-GRANTING		
	TOTAL	FULL TIME	PART TIME	TOTAL	FULL TIME	PART TIME	TOTAL	FULL TIME	PART TIME
TOTAL, ALL FIELDS	375,267	243,331	131,936	321,770	224,057	97,713	53,497	19,274	34,223
ENGINEERING	74,518	42,663	33,855	68,637	39,282	29,355	5,821	1,381	4,500
AERONAUTICAL	1,461	1,143	318	1,456	1,142	314	5	1	4
AGRICULTURAL	866	752	114	858	744	114	8	8	3
BIOMEDICAL	1,304	814	190	959	795	164	45	19	26
CHEMICAL	5,839	4,407	1,432	5,649	4,351	1,298	150	56	134
CIVIL	11,636	6,667	4,969	10,867	6,486	4,381	769	181	588
ELECTRICAL	18,358	9,998	9,060	17,084	8,783	8,301	974	215	759
ENGINEERING SCIENCE	2,355	1,489	866	2,086	1,475	611	269	14	255
INDUSTRIAL	11,969	4,152	7,717	11,449	4,039	7,410	420	113	307
MECHANICAL	8,820	5,084	3,736	8,175	4,995	3,180	645	89	556
METALLURGICAL/MATERIALS	2,812	2,172	640	2,718	2,163	555	94	9	85
MINING	474	362	112	473	361	112	1	1	3
NUCLEAR	1,373	1,112	261	1,369	1,112	257	4	0	4
PETROLEUM	473	368	105	472	367	105	1	1	3
ENGINEERING, N.E.C.	7,478	3,143	4,335	5,022	2,469	2,553	2,456	674	1,782
PHYSICAL SCIENCES	26,991	22,645	4,336	25,257	21,922	3,335	1,724	723	1,001
ASTRONOMY	547	509	38	547	509	38	0	0	0
CHEMISTRY	16,242	13,306	2,736	14,842	12,790	2,052	1,200	516	684
PHYSICS	9,923	8,699	1,224	9,567	8,515	1,052	356	184	172
PHYSICAL SCIENCES, N.E.C.	469	131	338	301	108	193	168	23	145
ENVIRONMENTAL SCIENCES	13,259	10,296	2,963	12,243	9,919	2,324	1,016	377	639
ATMOSPHERIC SCIENCES	930	820	110	918	817	101	12	3	9
GEOSCIENCES	8,392	6,656	1,736	7,887	6,472	1,415	505	184	321
OCEANOGRAPHY	2,104	1,729	375	2,066	1,706	360	38	23	15
ENVIRONMENTAL SCIENCES, N.E.C.	1,833	1,091	742	1,372	924	448	461	167	294
MATHEMATICAL SCIENCES	26,218	15,205	11,013	22,432	13,959	8,473	3,786	1,246	2,540
COMPUTER SCIENCE	11,598	5,989	5,609	9,673	5,275	4,398	1,925	714	1,211
MATHEMATICS AND APPLIED MATHEMATICS	12,672	7,790	4,882	11,003	7,270	3,733	1,669	520	1,149
STATISTICS	1,948	1,426	522	1,756	1,414	342	192	12	180
LIFE SCIENCES	99,295	71,243	28,052	87,043	66,536	20,507	12,252	4,707	7,545
AGRICULTURAL SCIENCES	13,524	10,901	2,623	12,422	10,264	2,158	1,102	637	465
BIOLOGICAL SCIENCES	47,245	37,168	10,077	41,380	34,873	6,507	5,865	2,295	3,570
ANATOMY	1,111	1,042	69	1,111	1,042	69	0	0	0
BIOCHEMISTRY	3,987	3,532	355	3,769	3,499	270	118	33	85
BIOLOGY	15,734	10,213	5,521	10,805	8,168	2,637	4,929	2,045	2,884
BIOMETRY/EPIDEMIOLOGY	900	743	157	900	743	157	0	0	0
BIOPHYSICS	587	556	31	587	556	31	0	0	0
BOTANY	2,740	2,509	231	2,714	2,491	223	26	18	8
CELL BIOLOGY	680	660	20	680	660	20	0	0	0
ECOLOGY	810	704	106	810	704	106	0	0	0
ENTOMOLOGY/PARASITOLOGY	1,691	1,461	230	1,691	1,461	230	0	0	0
GENETICS	945	850	95	897	807	90	48	43	5
MICROBIOLOGY	4,303	3,385	618	3,790	3,351	439	213	34	179
NUTRITION	3,713	2,865	848	3,485	2,804	681	228	61	167
PATHOLOGY	1,179	1,008	171	1,179	1,008	171	0	0	0
PHARMACOLOGY	1,956	1,804	152	1,932	1,786	146	24	18	6
PHYSIOLOGY	2,240	1,919	321	2,238	1,918	320	2	1	1
ZOOLOGY	2,990	2,424	466	2,853	2,395	458	37	29	8
BIOSCIENCES, N.E.C.	2,179	1,493	686	1,939	1,480	459	240	13	227
HEALTH SCIENCES	38,526	23,174	15,352	33,241	21,399	11,842	5,285	1,775	3,510
ANESTHESIOLOGY	20	18	2	20	18	2	0	0	0
CARDIOLOGY	3	3	0	3	3	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	1,356	1,184	172	1,356	1,184	172	0	0	0
ENDOCRINOLOGY	50	44	6	50	44	6	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	7	7	0	7	7	0	0	0	0
NEUROLOGY	177	173	4	177	173	4	0	0	0
NURSING	12,796	6,336	6,460	11,601	6,141	5,460	1,195	195	1,000
OBSTETRICS/GYNECOLOGY	36	33	3	36	33	3	0	0	0
OPHTHALMOLOGY	3	3	0	3	3	0	0	0	0
OTORHINOLARYNGOLOGY	26	24	2	26	24	2	0	0	0
PEDIATRICS	91	88	3	91	88	3	0	0	0
PHARMACEUTICAL SCIENCES	2,505	1,643	862	2,492	1,640	852	13	3	10
PREVENTIVE MEDICINE/COMMUNITY HEALTH	5,971	3,976	1,995	5,842	3,943	1,899	129	33	96
PSYCHIATRY	203	164	39	203	164	39	0	0	0
PULMONARY DISEASE	1	1	0	1	1	0	0	0	0
RADIOLOGY	256	193	63	256	193	63	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	6,676	4,321	2,355	4,997	3,621	1,376	1,679	700	979
SURGERY	61	59	2	61	59	2	0	0	0
VETERINARY SCIENCES	1,013	760	253	998	748	250	15	12	3
CLINICAL MEDICINE, N.E.C.	749	542	207	630	518	112	119	30	89
HEALTH RELATED, N.E.C.	6,526	3,596	2,930	4,391	2,794	1,597	2,135	802	1,333
PSYCHOLOGY	39,956	25,826	14,130	27,972	20,705	7,267	11,984	5,121	6,863
SOCIAL SCIENCES	95,040	57,453	37,587	78,186	51,734	26,452	16,854	5,719	11,135
AGRICULTURAL ECONOMICS	2,249	1,995	254	2,226	1,977	249	23	18	5
ANTHROPOLOGY	6,342	4,577	1,765	5,910	4,450	1,460	432	127	305
ECONOMICS (EXCEPT AGRICULTURAL)	11,496	8,040	3,456	10,652	7,804	2,848	844	236	608
GEOGRAPHY	3,054	2,062	992	2,581	1,881	700	473	181	292
HISTORY AND PHILOSOPHY OF SCIENCE	265	234	31	265	234	31	0	0	0
LINGUISTICS	4,600	2,978	1,622	4,238	2,886	1,352	362	92	270
POLITICAL SCIENCE	32,057	14,689	17,368	24,563	13,077	11,486	7,494	1,612	5,882
SOCIOLOGY	11,474	7,824	3,650	9,789	6,980	2,809	1,685	844	841
SOCIOLOGY/ANTHROPOLOGY	1,173	649	524	1,139	634	505	34	15	19
SOCIAL SCIENCES, N.E.C.	22,330	14,405	7,925	16,823	11,811	5,012	5,507	2,594	2,913

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-2. GRADUATE STUDENTS IN ALL INSTITUTIONS BY FIELD OF SCIENCE, LEVEL OF STUDY, TYPE OF CONTROL, SEX, AND LEVEL OF DEPARTMENT: 1979

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		TYPE OF CONTROL		SEX		LEVEL OF DEPARTMENT	
		FIRST YEAR	BEYOND FIRST YEAR	PUBLIC	PRIVATE	MEN	WOMEN	DOCTORATE	MASTER'S
TOTAL, ALL FIELDS	375,267	124,943	250,324	254,553	120,714	248,164	127,103	251,819	123,448
ENGINEERING	74,518	26,867	47,651	44,297	30,221	68,173	6,345	57,072	17,446
AERONAUTICAL	1,461	541	920	1,046	415	1,414	47	1,421	40
AGRICULTURAL	866	245	621	829	37	819	47	716	153
BIOMEDICAL	1,304	284	720	508	496	873	131	892	112
CHEMICAL	5,939	2,019	3,920	3,915	1,924	5,164	675	5,343	496
CIVIL	11,636	4,305	7,331	7,980	3,656	10,553	1,083	9,843	1,793
ELECTRICAL	18,058	6,763	11,295	10,080	7,978	17,136	922	15,802	2,256
ENGINEERING SCIENCE	2,355	704	1,651	1,780	575	2,175	180	1,702	653
INDUSTRIAL	11,869	4,726	7,143	4,040	7,829	10,485	1,384	6,019	5,850
MECHANICAL	8,820	3,254	5,566	5,293	3,527	8,403	417	7,554	1,266
METALLURGICAL/MATERIALS	2,812	839	1,973	1,714	1,098	2,515	297	2,665	147
MINING	474	138	336	391	83	444	30	358	116
NUCLEAR	1,373	322	1,051	1,017	356	1,285	88	1,326	47
PETROLEUM	473	135	338	297	176	437	36	370	103
ENGINEERING, N.E.C.	7,478	2,592	4,886	5,407	2,071	6,470	1,008	3,061	4,417
PHYSICAL SCIENCES	26,981	7,112	19,869	18,694	8,287	22,457	4,524	23,567	3,414
ASTRONOMY	547	122	425	369	178	485	64	523	24
CHEMISTRY	16,342	4,304	11,738	11,447	4,595	12,678	3,364	13,962	2,080
PHYSICS	9,923	2,524	7,399	6,668	3,255	9,021	902	8,991	932
PHYSICAL SCIENCES, N.E.C.	469	162	307	210	259	275	194	91	378
ENVIRONMENTAL SCIENCES	13,259	3,894	9,365	10,756	2,503	10,437	2,822	10,276	2,983
ATMOSPHERIC SCIENCES	930	266	664	871	59	827	103	879	51
GEOSCIENCES	8,392	2,478	5,914	6,834	1,558	6,618	1,774	6,446	1,946
OCEANOGRAPHY	2,104	532	1,572	1,680	424	1,680	424	2,023	81
ENVIRONMENTAL SCIENCES, N.E.C.	1,833	618	1,215	1,371	462	1,312	521	928	905
MATHEMATICAL SCIENCES	26,218	9,210	17,008	17,913	8,305	19,897	6,321	16,802	9,416
COMPUTER SCIENCE	11,598	4,169	7,429	7,502	4,096	9,259	2,339	6,560	5,038
MATHEMATICS AND APPLIED MATHEMATICS	12,672	4,364	8,308	8,920	3,752	9,191	3,481	8,642	4,030
STATISTICS	1,948	677	1,271	1,491	457	1,447	501	1,600	348
LIFE SCIENCES	99,295	33,221	66,074	76,297	22,998	51,513	47,782	65,103	34,192
AGRICULTURAL SCIENCES	13,524	3,823	9,701	13,100	424	10,557	2,967	10,719	2,805
BIOLOGICAL SCIENCES	47,245	12,968	34,277	35,394	11,851	29,616	17,629	36,643	10,602
ANATOMY	1,111	238	873	737	374	692	419	1,106	5
BIOCHEMISTRY	3,887	919	2,968	2,615	1,272	2,661	1,226	3,740	147
BIOLOGY	15,734	5,026	10,708	10,937	4,797	9,931	5,803	8,112	7,622
BIOMETRY/EPIDEMIOLOGY	900	315	585	622	278	499	401	861	39
BIOPHYSICS	587	83	504	335	252	479	108	586	1
BOTANY	2,740	624	2,116	2,502	238	1,836	904	2,519	221
CELL BIOLOGY	680	140	540	449	231	430	250	680	3
ECOLOGY	810	188	622	758	52	603	207	802	8
ENTOMOLOGY/PARASITOLOGY	1,691	410	1,281	1,623	68	1,357	334	1,623	68
GENETICS	945	206	739	689	256	492	453	897	48
MICROBIOLOGY	4,003	990	3,013	3,043	960	2,375	1,628	3,577	426
NUTRITION	3,713	1,324	2,389	2,968	745	1,229	2,484	2,724	989
PATHOLOGY	1,179	298	881	788	391	756	423	1,056	123
PHARMACOLOGY	1,956	470	1,486	1,297	659	1,391	565	1,897	59
PHYSIOLOGY	2,240	590	1,650	1,553	687	1,588	652	2,141	99
ZOOLOGY	2,890	609	2,281	2,667	223	1,995	935	2,786	104
BIOSCIENCES, N.E.C.	2,179	538	1,641	1,811	368	1,342	837	1,536	643
HEALTH SCIENCES	38,526	16,430	22,096	27,803	10,723	11,340	27,186	17,741	20,785
ANESTHESIOLOGY	20	6	14	14	6	9	11	3	17
CARDIOLOGY	3	1	2	1	2	3	0	3	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	1,356	487	869	816	540	1,088	268	368	988
ENDOCRINOLOGY	50	11	39	50	0	30	20	50	3
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	7	2	5	3	4	5	2	7	3
NEUROLOGY	177	29	148	83	94	122	55	172	5
NURSING	12,796	6,490	6,306	9,166	3,630	578	12,218	4,972	7,824
OBSTETRICS/GYNECOLOGY	36	9	27	21	15	25	11	28	8
OPHTHALMOLOGY	3	0	3	1	2	2	1	2	1
OTORHINOLARYNGOLOGY	26	1	25	24	2	23	3	22	4
PEDIATRICS	91	58	33	66	25	18	73	51	40
PHARMACEUTICAL SCIENCES	2,505	773	1,732	1,615	890	1,766	739	2,154	351
PREVENTIVE MEDICINE/COMMUNITY HEALTH	5,971	2,635	3,336	4,226	1,745	2,712	3,259	3,908	2,063
PSYCHIATRY	203	42	161	148	55	109	94	202	1
PULMONARY DISEASE	1	0	1	1	0	0	1	1	0
RADIOLOGY	256	67	189	241	15	206	50	212	44
SPEECH PATHOLOGY/AUDIOLOGY	6,676	2,566	4,110	5,611	1,065	870	5,806	2,785	3,891
SURGERY	61	14	47	46	15	53	8	39	22
VETERINARY SCIENCES	1,013	305	708	935	78	691	322	816	197
CLINICAL MEDICINE, N.E.C.	749	357	392	476	273	308	441	177	572
HEALTH RELATED, N.E.C.	6,526	2,577	3,949	4,259	2,267	2,722	3,804	1,769	4,757
PSYCHOLOGY	39,956	11,674	28,282	23,986	15,970	19,466	20,490	24,907	15,049
SOCIAL SCIENCES	95,040	32,965	62,075	62,610	32,430	56,221	38,819	54,092	40,948
AGRICULTURAL ECONOMICS	2,249	743	1,506	2,104	145	1,850	399	1,956	293
ANTHROPOLOGY	6,342	1,446	4,896	4,779	1,563	3,104	3,238	3,057	1,285
ECONOMICS (EXCEPT AGRICULTURAL)	11,496	3,373	8,123	7,070	4,426	9,087	2,409	9,460	2,036
GEOGRAPHY	3,054	924	2,130	2,795	259	2,158	896	1,954	1,100
HISTORY AND PHILOSOPHY OF SCIENCE	265	46	219	148	117	191	74	260	5
LINGUISTICS	4,600	1,428	3,172	3,095	1,505	1,925	2,675	3,594	1,046
POLITICAL SCIENCE	32,057	12,012	20,045	17,624	14,433	21,380	10,677	14,808	17,249
SOCIOLOGY	11,474	3,370	8,104	8,637	2,837	6,290	5,184	7,337	4,137
SOCIOLOGY/ANTHROPOLOGY	1,173	320	853	588	585	627	546	819	354
SOCIAL SCIENCES, N.E.C.	22,330	9,303	13,027	15,770	6,560	9,609	12,721	8,887	13,443

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-3. GRADUATE STUDENTS IN ALL INSTITUTIONS BY FIELD OF SCIENCE, TYPE OF CONTROL, ENROLLMENT STATUS, AND LEVEL OF STUDY: 1979

FIELD OF SCIENCE	PUBLIC INSTITUTIONS					PRIVATE INSTITUTIONS				
	TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY		TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY	
		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR
TOTAL, ALL FIELDS	254,553	173,830	80,723	83,078	171,475	120,714	69,501	51,213	41,865	78,849
ENGINEERING	44,297	27,715	16,522	15,409	28,888	30,221	12,948	17,273	11,458	18,763
AERONAUTICAL	1,046	791	255	414	632	415	352	63	127	288
AGRICULTURAL	829	715	114	230	599	37	39	0	15	22
BIOMEDICAL	508	420	88	156	352	496	394	102	128	368
CHEMICAL	3,915	3,028	887	1,243	2,672	1,924	1,379	545	776	1,148
CIVIL	7,980	4,915	3,065	3,045	4,935	3,656	1,752	1,904	1,260	2,396
ELECTRICAL	10,080	5,724	4,356	3,592	6,488	7,978	3,274	4,704	3,171	4,807
ENGINEERING SCIENCE	1,780	1,169	611	501	1,279	575	320	255	203	372
INDUSTRIAL	4,040	2,470	1,570	1,408	2,632	7,829	1,682	6,147	3,318	4,511
MECHANICAL	5,293	3,312	1,981	1,934	3,359	3,527	1,772	1,755	1,320	2,207
METALLURGICAL/MATERIALS	1,714	1,381	333	525	1,189	1,098	791	307	314	784
MINING	391	284	107	112	279	83	78	5	26	57
NUCLEAR	1,017	834	183	227	790	356	278	78	95	261
PETROLEUM	297	219	78	76	221	176	149	27	59	117
ENGINEERING, N.E.C.	5,407	2,453	2,954	1,946	3,461	2,071	690	1,381	646	1,425
PHYSICAL SCIENCES	18,694	15,956	2,738	4,866	13,828	8,287	6,689	1,598	2,246	6,341
ASTRONOMY	369	333	36	76	293	178	176	2	46	132
CHEMISTRY	11,447	9,711	1,736	3,030	8,417	4,595	3,595	1,000	1,274	3,321
PHYSICS	6,668	5,813	855	1,706	4,962	3,255	2,886	369	818	2,437
PHYSICAL SCIENCES, N.E.C.	210	99	111	54	156	259	32	227	108	151
ENVIRONMENTAL SCIENCES	10,756	8,264	2,492	3,189	7,567	2,503	2,032	471	705	1,798
ATMOSPHERIC SCIENCES	871	762	109	247	624	59	58	1	19	40
GEOSCIENCES	6,834	5,371	1,463	2,095	4,739	1,558	1,285	273	383	1,175
OCEANOGRAPHY	1,680	1,357	323	404	1,276	424	372	52	128	296
ENVIRONMENTAL SCIENCES, N.E.C.	1,371	774	597	443	928	462	317	145	175	287
MATHEMATICAL SCIENCES	17,913	11,413	6,500	5,986	11,927	8,395	3,792	4,513	3,224	5,081
COMPUTER SCIENCE	7,502	4,463	3,039	2,693	4,809	4,096	1,526	2,570	1,476	2,620
MATHEMATICS AND APPLIED MATHEMATICS	8,920	5,745	3,175	2,848	6,072	3,752	2,045	1,707	1,516	2,236
STATISTICS	1,491	1,205	286	445	1,046	457	221	236	232	225
LIFE SCIENCES	76,297	55,841	20,456	24,872	51,425	22,998	15,402	7,596	8,349	14,649
AGRICULTURAL SCIENCES	13,100	10,530	2,570	3,683	9,417	424	371	53	140	284
BIOLOGICAL SCIENCES	35,394	28,168	7,226	9,521	25,873	11,871	9,000	2,851	3,447	8,434
ANATOMY	737	688	49	143	594	374	354	20	95	279
BIOCHEMISTRY	2,615	2,387	228	590	2,025	1,272	1,145	127	329	943
BIOLOGY	10,937	7,270	3,667	3,583	7,354	4,797	2,943	1,854	1,443	3,354
BIOMETRY/EPIDEMIOLOGY	622	512	110	204	418	278	231	47	111	167
BIOPHYSICS	335	304	31	45	290	252	252	0	38	214
BOTANY	2,502	2,301	201	557	1,945	238	208	30	67	171
CELL BIOLOGY	449	432	17	99	350	231	228	3	41	190
ECOLOGY	758	652	106	181	577	52	52	0	7	45
ENTOMOLOGY/PARASITOLOGY	1,623	1,397	226	398	1,225	68	64	4	12	56
GENETICS	689	644	45	136	553	256	206	50	70	186
MICROBIOLOGY	3,043	2,563	480	751	2,292	960	822	138	239	721
NUTRITION	2,968	2,218	750	1,041	1,927	745	647	98	283	462
PATHOLOGY	788	671	117	202	586	391	337	54	96	295
PHARMACOLOGY	1,297	1,234	63	319	978	659	570	89	151	508
PHYSIOLOGY	1,553	1,333	220	328	1,225	687	586	101	262	425
ZOOLOGY	2,667	2,226	441	550	2,117	223	198	25	59	164
BIOSCIENCES, N.E.C.	1,811	1,336	475	394	1,417	368	157	211	144	224
HEALTH SCIENCES	27,803	17,143	10,660	11,668	16,135	10,723	6,031	4,692	4,762	5,961
ANESTHESIOLOGY	14	14	0	5	9	6	4	2	1	5
CARDIOLOGY	1	1	0	0	1	2	2	0	1	1
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0	0
DENTISTRY	816	695	121	292	524	540	489	51	195	395
ENDOCRINOLOGY	50	44	6	11	39	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0	0
HEMATOLOGY	3	3	0	1	2	4	4	0	1	3
NEUROLOGY	83	79	4	10	73	94	94	0	19	75
NURSING	9,166	4,541	4,625	4,629	4,537	3,630	1,795	1,835	1,861	1,769
OBSTETRICS/GYNECOLOGY	21	20	1	4	17	15	13	2	5	10
OPHTHALMOLOGY	1	1	0	0	1	2	2	0	0	2
OTORHINOLARYNGOLOGY	24	22	2	1	23	2	2	0	0	2
PEDIATRICS	66	66	0	52	14	25	22	3	6	19
PHARMACEUTICAL SCIENCES	1,615	1,407	208	476	1,139	890	236	654	297	593
PREVENTIVE MEDICINE/COMMUNITY HEALTH	4,226	2,997	1,229	1,864	2,362	1,745	979	766	771	974
PSYCHIATRY	148	122	26	40	108	55	42	13	2	53
PULMONARY DISEASE	1	1	0	0	1	0	0	0	0	0
RADIOLOGY	241	183	58	61	180	15	10	5	6	9
SPEECH PATHOLOGY/AUDIOLOGY	5,611	3,617	1,994	2,108	3,503	1,065	704	361	458	607
SURGERY	46	46	0	10	36	15	13	2	4	11
VETERINARY SCIENCES	935	685	250	279	656	78	75	3	26	52
CLINICAL MEDICINE, N.E.C.	476	311	165	200	276	273	237	36	157	116
HEALTH RELATED, N.E.C.	4,259	2,288	1,971	1,625	2,634	2,267	1,308	959	952	1,315
PSYCHOLOGY	23,986	15,984	8,002	7,040	16,946	15,970	9,842	6,128	4,634	11,336
SOCIAL SCIENCES	62,610	38,657	23,953	21,716	40,894	32,430	18,796	13,634	11,249	21,181
AGRICULTURAL ECONOMICS	2,104	1,850	254	687	1,417	145	145	0	56	89
ANTHROPOLOGY	4,779	3,430	1,349	1,078	3,701	1,563	1,147	416	368	1,195
ECONOMICS (EXCEPT AGRICULTURAL)	7,070	5,015	2,055	2,092	4,978	4,426	3,025	1,401	1,281	3,145
GEOGRAPHY	2,795	1,866	929	847	1,948	259	196	63	77	182
HISTORY AND PHILOSOPHY OF SCIENCE	148	131	17	31	117	117	103	14	15	102
LINGUISTICS	3,095	1,945	1,150	974	2,121	1,505	1,033	472	494	1,051
POLITICAL SCIENCE	17,624	7,999	9,625	6,614	11,010	14,433	6,690	7,743	5,398	9,035
SOCIOLOGY	8,637	5,790	2,847	2,551	6,086	2,837	2,034	803	819	2,018
SOCIOLOGY/ANTHROPOLOGY	588	396	192	179	409	585	253	332	141	444
SOCIAL SCIENCES, N.E.C.	15,770	10,235	5,535	6,663	9,107	6,560	4,170	2,390	2,640	3,920

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-4. GRADUATE STUDENTS IN ALL INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION,
HIGHEST DEGREE GRANTED, AND ENROLLMENT STATUS: 1979

DIVISION AND STATE	ALL INSTITUTIONS			DOCTORATE-GRANTING			MASTER'S-GRANTING		
	TOTAL	FULL TIME	PART TIME	TOTAL	FULL TIME	PART TIME	TOTAL	FULL TIME	PART TIME
TOTAL, ALL INSTITUTIONS	375,267	243,331	131,936	321,770	224,057	97,713	53,497	19,274	34,223
NEW ENGLAND	28,952	19,275	9,677	24,043	17,940	6,053	4,909	1,285	3,624
CONNECTICUT	6,411	3,485	2,926	3,645	3,120	525	2,766	365	2,401
MAINE	475	355	120	475	355	120	C	0	J
MASSACHUSETTS	18,338	12,493	5,845	16,958	12,192	4,766	1,380	301	1,079
NEW HAMPSHIRE	744	622	122	701	620	81	43	2	41
RHODE ISLAND	1,870	1,378	492	1,758	1,342	416	112	36	76
VERMONT	1,114	942	172	506	361	145	608	581	27
MIDDLE ATLANTIC	66,180	34,325	31,855	56,916	32,079	24,837	9,264	2,246	7,018
NEW JERSEY	10,414	3,771	6,643	8,884	3,653	5,231	1,530	118	1,412
NEW YORK	39,342	21,193	18,149	33,885	19,522	14,363	5,457	1,671	3,786
PENNSYLVANIA	16,424	9,361	7,063	14,147	8,904	5,243	2,277	457	1,820
EAST NORTH CENTRAL	65,338	46,104	18,934	58,642	43,486	15,156	6,396	2,618	3,778
ILLINOIS	18,905	12,417	6,488	15,499	11,312	4,187	3,406	1,105	2,301
INDIANA	7,494	5,714	1,780	6,995	5,651	1,344	499	63	436
MICHIGAN	13,556	10,088	3,468	13,085	9,895	3,190	471	193	278
OHIO	16,364	11,431	4,933	15,505	10,734	4,771	859	697	162
WISCONSIN	8,719	6,454	2,265	7,558	5,894	1,664	1,161	560	601
WEST NORTH CENTRAL	24,795	18,078	6,717	23,179	17,238	5,941	1,616	840	776
IOWA	4,652	3,501	1,151	4,509	3,464	1,045	143	37	106
KANSAS	4,865	3,338	1,527	4,432	3,103	1,329	433	235	198
MINNESOTA	5,619	4,583	1,036	4,993	4,259	734	626	324	302
MISSOURI	6,147	4,183	1,964	5,744	3,944	1,800	403	239	164
NEBRASKA	2,122	1,436	686	2,111	1,431	680	11	5	6
NORTH DAKOTA	776	589	187	776	589	187	0	0	J
SOUTH DAKOTA	614	448	166	614	448	166	0	0	J
SOUTH ATLANTIC	53,623	32,567	21,056	47,641	30,594	17,057	5,982	1,983	3,999
DELAWARE	1,031	710	321	1,031	710	321	0	0	J
DISTRICT OF COLUMBIA	9,157	4,024	5,133	9,063	3,965	5,098	94	59	35
FLORIDA	10,458	6,069	4,389	8,808	5,364	3,444	1,650	705	945
GEORGIA	5,802	4,218	1,584	5,300	4,020	1,280	502	198	304
MARYLAND	7,735	3,879	3,856	5,633	3,518	2,115	2,102	361	1,741
NORTH CAROLINA	7,293	5,735	1,558	6,651	5,458	1,193	442	277	165
SOUTH CAROLINA	2,930	1,846	1,084	2,780	1,799	981	150	47	103
VIRGINIA	7,361	4,693	2,668	6,139	4,361	1,778	922	332	590
WEST VIRGINIA	2,356	1,393	963	2,236	1,309	927	120	4	116
EAST SOUTH CENTRAL	15,604	10,532	5,072	13,190	9,416	3,774	2,414	1,116	1,298
ALABAMA	4,073	2,730	1,343	3,500	2,438	1,062	573	292	281
KENTUCKY	3,295	2,146	1,149	2,607	1,818	789	688	328	363
MISSISSIPPI	2,185	1,676	509	1,895	1,526	369	290	150	140
TENNESSEE	6,351	3,980	2,071	5,188	3,634	1,554	863	346	517
WEST SOUTH CENTRAL	31,879	20,908	10,971	27,205	18,973	8,232	4,674	1,935	2,739
ARKANSAS	1,488	928	560	1,065	774	291	423	154	269
LOUISIANA	3,807	2,632	1,175	3,518	2,482	1,036	289	150	139
OKLAHOMA	3,865	2,793	1,072	3,715	2,730	985	150	63	87
TEXAS	22,719	14,555	8,164	18,907	12,987	5,920	3,812	1,568	2,244
MOUNTAIN	21,423	15,592	5,831	20,813	15,164	5,649	610	428	182
ARIZONA	5,027	3,452	1,575	5,027	3,452	1,575	0	0	0
COLORADO	6,918	5,136	1,782	6,885	5,112	1,773	33	24	9
IDaho	1,266	653	613	1,266	653	613	0	0	0
MONTANA	786	715	71	755	686	69	31	29	2
NEVADA	686	469	217	477	361	116	209	108	101
NEW MEXICO	2,423	1,789	634	2,086	1,522	564	337	267	70
UTAH	3,666	2,821	845	3,666	2,821	845	0	0	0
WYOMING	651	557	94	651	557	94	0	0	0
PACIFIC	66,193	44,977	21,216	48,600	30,172	18,428	17,593	6,805	10,788
ALASKA	456	271	185	270	234	36	186	37	149
CALIFORNIA	53,688	35,185	18,503	37,545	29,076	8,469	16,143	6,109	10,034
HAWAII	1,481	1,348	133	1,481	1,348	133	0	0	0
OREGON	3,429	2,807	622	3,299	2,751	548	130	56	74
WASHINGTON	7,139	5,366	1,773	6,005	4,763	1,242	1,134	603	531
OUTLYING AREAS	1,580	973	607	1,541	955	586	39	18	21

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-5. FULL-TIME GRADUATE STUDENTS IN ALL INSTITUTIONS BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, SEX, AND TYPE OF CONTROL: 1979

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX		TYPE OF CONTROL	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN	PUBLIC	PRIVATE
TOTAL, ALL FIELDS	243,331	81,529	161,802	196,353	46,978	164,118	79,213	173,830	69,501
ENGINEERING	40,663	15,298	25,365	23,958	16,795	37,109	3,554	27,715	12,948
AERONAUTICAL	1,143	400	743	629	514	1,109	34	791	352
AGRICULTURAL	752	224	528	430	322	710	42	715	37
BIOMEDICAL	814	243	571	700	114	704	110	420	394
CHEMICAL	4,407	1,539	2,868	2,522	1,885	3,923	484	3,028	1,379
CIVIL	6,667	2,703	3,964	3,837	2,830	5,987	680	4,915	1,752
ELECTRICAL	8,998	3,642	5,356	5,157	3,841	8,552	446	5,724	3,274
ENGINEERING SCIENCE	1,489	422	1,067	963	526	1,383	106	1,169	323
INDUSTRIAL	4,152	1,619	2,533	2,615	1,537	3,575	577	2,470	1,682
MECHANICAL	5,084	2,084	3,000	2,799	2,285	4,867	217	3,312	1,772
METALLURGICAL/MATERIALS	2,172	672	1,500	1,122	1,050	1,953	219	1,381	791
MINING	362	121	241	218	144	334	28	284	73
NUCLEAR	1,112	286	826	645	467	1,035	77	834	278
PETROLEUM	368	127	241	117	251	336	32	219	149
ENGINEERING, N.E.C.	3,143	1,216	1,927	2,204	939	2,641	502	2,453	693
PHYSICAL SCIENCES	22,645	5,765	16,880	17,292	5,353	19,164	3,481	15,956	6,689
ASTRONOMY	539	115	394	446	63	452	57	333	176
CHEMISTRY	13,306	3,434	9,872	10,450	2,856	10,715	2,591	9,711	3,595
PHYSICS	8,699	2,175	6,524	6,276	2,423	7,929	770	5,813	2,886
PHYSICAL SCIENCES, N.E.C.	131	41	90	120	11	68	63	99	32
ENVIRONMENTAL SCIENCES	10,296	3,257	7,039	8,972	1,324	8,153	2,143	8,264	2,032
ATMOSPHERIC SCIENCES	820	249	571	653	167	728	92	762	53
GEOSCIENCES	6,656	2,102	4,554	5,941	715	5,286	1,370	5,371	1,285
OCEANOGRAPHY	1,729	474	1,255	1,448	281	1,368	361	1,357	372
ENVIRONMENTAL SCIENCES, N.E.C.	1,091	432	659	930	161	771	320	774	317
MATHEMATICAL SCIENCES	15,205	5,241	9,964	10,660	4,545	12,008	3,197	11,413	3,792
COMPUTER SCIENCE	5,989	2,355	3,634	4,204	1,785	4,903	1,086	4,463	1,526
MATHEMATICS AND APPLIED MATHEMATICS	7,790	2,433	5,357	5,629	2,161	6,007	1,783	5,745	2,045
STATISTICS	1,426	453	973	827	599	1,098	328	1,205	221
LIFE SCIENCES	71,243	23,907	47,336	62,616	8,627	40,370	30,873	55,841	15,402
AGRICULTURAL SCIENCES	10,901	3,372	7,529	8,495	2,406	8,477	2,424	10,530	371
BIOLOGICAL SCIENCES	37,168	9,977	27,191	33,038	4,130	23,929	13,239	28,168	9,000
ANATOMY	1,042	228	814	968	74	651	391	688	354
BIOCHEMISTRY	3,532	803	2,729	3,110	422	2,443	1,089	2,387	1,145
BIOLOGY	10,213	3,195	7,018	9,391	822	8,699	3,514	7,270	2,943
BIOMETRY/EPIDEMIOLOGY	743	263	480	630	113	617	326	512	231
BIOPHYSICS	556	80	476	472	84	454	162	304	152
BOTANY	2,509	579	1,930	2,168	341	1,695	814	2,301	1,088
CELL BIOLOGY	660	137	523	599	61	416	244	432	228
ECOLOGICAL	704	169	535	651	53	527	177	652	52
ENTOMOLOGY/PARASITOLOGY	1,461	370	1,091	1,241	220	1,169	292	1,397	84
GENETICS	850	196	654	757	93	641	409	644	206
MICROBIOLOGY	3,385	833	2,552	3,038	347	2,821	1,364	2,563	822
NUTRITION	2,865	1,057	1,808	2,167	698	1,861	1,804	2,218	647
PATHOLOGY	1,008	254	754	859	149	678	330	671	337
PHARMACOLOGY	1,804	435	1,369	1,614	190	1,296	508	1,234	573
PHYSIOLOGY	1,919	479	1,440	1,738	181	1,374	545	1,333	586
ZOOLOGY	2,424	550	1,874	2,287	137	1,631	793	2,226	198
BIOLOGICAL SCIENCES, N.E.C.	1,493	349	1,144	1,348	145	956	537	1,336	157
HEALTH SCIENCES	23,174	10,558	12,616	21,083	2,091	7,964	15,210	17,143	6,031
ANESTHESIOLOGY	18	6	12	17	1	7	11	14	4
CARDIOLOGY	3	1	2	3	0	3	0	1	2
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	1,184	446	738	937	247	959	225	695	489
ENDOCRINOLOGY	44	9	35	43	1	28	16	44	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	7	2	5	7	0	5	2	3	4
NEUROLOGY	173	29	144	162	11	119	54	79	94
NURSING	6,336	3,397	2,939	6,150	186	347	5,989	4,541	1,795
OBSTETRICS/GYNECOLOGY	33	8	25	25	8	24	9	20	13
OPHTHALMOLOGY	3	0	3	3	0	2	1	1	2
OTORHINOLARYNGOLOGY	24	1	23	21	3	22	2	22	2
PEDIATRICS	88	58	30	86	2	17	71	66	22
PHARMACEUTICAL SCIENCES	1,643	474	1,169	1,157	486	1,216	427	1,407	236
PREVENTIVE MEDICINE/COMMUNITY HEALTH	3,976	2,113	1,863	3,582	394	1,790	2,186	2,997	979
PSYCHIATRY	164	34	130	156	8	93	71	122	42
PULMONARY DISEASE	1	0	1	1	0	0	1	1	0
RADIOLOGY	193	57	136	158	35	146	47	183	13
SPEECH PATHOLOGY/AUDIOLOGY	4,321	1,867	2,454	4,177	144	612	3,709	3,617	704
SURGERY	59	13	46	53	6	51	8	46	13
VETERINARY SCIENCES	760	245	515	549	211	527	233	605	75
CLINICAL MEDICINE, N.E.C.	548	256	292	520	28	250	298	311	237
HEALTH RELATED, N.E.C.	3,996	1,542	2,054	3,276	320	1,746	1,850	2,288	1,308
PSYCHOLOGY	25,826	7,691	18,135	24,683	1,143	13,269	12,557	15,984	9,842
SOCIAL SCIENCES	57,453	20,376	37,077	48,172	9,281	34,045	23,468	38,657	18,796
AGRICULTURAL ECONOMICS	1,995	706	1,289	1,322	673	1,640	355	1,850	145
ANTHROPOLOGY	4,577	1,113	3,464	4,244	333	2,299	2,318	3,430	1,147
ECONOMICS (EXCEPT AGRICULTURAL)	8,040	2,514	5,526	4,927	3,113	6,466	1,574	5,015	3,025
GEOGRAPHY	2,062	729	1,333	1,721	341	1,452	610	1,866	196
HISTORY AND PHILOSOPHY OF SCIENCE	234	43	191	204	30	171	63	131	103
LINGUISTICS	2,978	990	1,988	2,279	699	1,956	1,622	1,945	1,033
POLITICAL SCIENCE	14,689	5,905	8,784	12,471	2,218	10,139	4,596	7,999	6,690
SOCIOLOGY	7,824	2,387	5,437	6,673	1,151	4,391	3,433	5,798	2,834
SOCIOLOGY/ANTHROPOLOGY	649	201	448	527	122	356	293	396	253
SOCIAL SCIENCES, N.E.C.	14,405	5,774	8,631	13,884	601	9,815	8,998	10,235	4,170

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-6. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, SEX, AND TYPE OF CONTROL: 1979

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX		TYPE OF CONTROL	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN	PUBLIC	PRIVATE
TOTAL, ALL FIELDS	224,057	73,263	150,794	179,262	44,795	152,772	71,285	160,552	63,505
ENGINEERING	39,282	14,637	24,645	23,103	16,179	35,947	3,335	26,752	12,533
AERONAUTICAL	1,142	399	743	629	513	1,108	34	791	351
AGRICULTURAL	744	223	521	423	321	703	41	707	37
BIOMEDICAL	795	243	552	681	114	685	110	463	392
CHEMICAL	4,351	1,494	2,857	2,496	1,855	3,872	479	3,008	1,343
CIVIL	6,486	2,571	3,915	3,723	2,763	5,838	648	4,780	1,706
ELECTRICAL	8,783	3,516	5,267	5,074	3,709	8,345	438	5,616	3,167
ENGINEERING SCIENCE	1,475	412	1,063	953	522	1,370	105	1,160	315
INDUSTRIAL	4,339	1,571	2,768	2,532	1,507	3,476	553	2,434	1,605
MECHANICAL	4,995	2,039	2,956	2,754	2,241	4,780	215	3,271	1,724
METALLURGICAL/MATERIALS	2,163	671	1,492	1,118	1,045	1,945	218	1,373	792
MINING	361	121	240	217	144	333	28	293	78
NUCLEAR	1,112	286	826	645	467	1,035	77	834	278
PETROLEUM	357	127	230	117	250	335	32	218	149
ENGINEERING, N.E.C.	2,469	964	1,505	1,741	728	2,122	347	1,874	595
PHYSICAL SCIENCES	21,922	5,506	16,416	16,735	5,187	18,600	3,322	15,401	6,521
ASTRONOMY	509	115	394	446	63	452	57	333	176
CHEMISTRY	12,790	3,257	9,533	10,052	2,738	10,317	2,473	9,327	3,463
PHYSICS	8,515	2,098	6,417	6,140	2,375	7,778	737	5,663	2,852
PHYSICAL SCIENCES, N.E.C.	108	36	72	97	11	53	55	78	30
ENVIRONMENTAL SCIENCES	9,919	3,116	6,803	8,639	1,280	7,854	2,065	7,929	1,990
ATMOSPHERIC SCIENCES	817	248	569	650	167	726	91	759	58
GEOSCIENCES	6,472	2,024	4,448	5,775	697	5,126	1,346	5,187	1,285
OCEANOGRAPHY	1,736	469	1,267	1,425	281	1,354	352	1,334	372
ENVIRONMENTAL SCIENCES, N.E.C.	924	375	549	789	135	648	276	649	275
MATHEMATICAL SCIENCES	13,959	4,689	9,270	9,706	4,253	11,063	2,896	10,606	3,353
COMPUTER SCIENCE	5,275	2,023	3,252	3,685	1,590	4,316	959	4,148	1,127
MATHEMATICS AND APPLIED MATHEMATICS	7,270	2,220	5,050	5,204	2,666	5,660	1,610	5,264	2,006
STATISTICS	1,414	446	968	817	597	1,087	327	1,194	220
LIFE SCIENCES	66,536	21,942	44,594	58,383	8,153	37,727	28,809	51,932	14,604
AGRICULTURAL SCIENCES	10,264	3,171	7,093	8,023	2,241	7,917	2,347	9,927	337
BIOLOGICAL SCIENCES	34,873	9,079	25,794	30,966	3,907	22,432	12,441	26,182	8,691
ANATOMY	1,042	228	814	968	74	651	391	688	354
BIOCHEMISTRY	3,499	798	2,701	3,079	420	2,415	1,084	2,366	1,133
BIOLOGY	8,168	2,411	5,757	7,538	630	5,325	2,843	5,459	2,709
BIOMETRY/EPIDEMIOLOGY	743	263	480	630	113	417	326	512	231
BIOPHYSICS	556	80	476	472	94	454	102	304	252
BOTANY	2,491	561	1,930	2,150	341	1,677	814	2,284	207
CELL BIOLOGY	660	137	523	599	61	416	244	432	228
ECOLOGICAL	734	169	565	651	53	527	177	652	52
ENTOMOLOGY/PARASITOLOGY	1,461	370	1,091	1,241	220	1,169	292	1,397	64
GENETICS	807	171	636	714	93	441	366	644	163
MICROBIOLOGY	3,351	821	2,530	3,014	337	2,000	1,351	2,533	818
NUTRITION	2,804	1,023	1,781	2,117	687	1,056	1,748	2,157	647
PATHOLOGY	1,008	254	754	859	149	678	330	671	337
PHARMACOLOGY	1,786	428	1,358	1,599	187	1,283	503	1,219	567
PHYSIOLOGY	1,918	479	1,439	1,737	181	1,373	545	1,333	585
ZOOLOGY	2,395	538	1,857	2,258	137	1,607	788	2,202	193
BIOSCIENCES, N.E.C.	1,480	348	1,132	1,340	140	943	537	1,329	151
HEALTH SCIENCES	21,399	9,692	11,707	19,394	2,005	7,378	14,021	15,823	5,576
ANESTHESIOLOGY	18	6	12	17	1	7	11	14	4
CARDIOLOGY	3	1	2	3	0	3	0	1	2
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	1,184	446	738	937	247	959	225	695	489
ENDOCRINOLOGY	44	9	35	43	1	28	16	44	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	7	2	5	7	0	5	2	3	4
NEUROLOGY	173	29	144	162	11	119	54	79	94
NURSING	6,141	3,322	2,819	5,959	182	336	5,805	4,410	1,731
OBSTETRICS/GYNECOLOGY	33	8	25	25	8	24	9	20	13
OPHTHALMOLOGY	3	0	3	3	0	2	1	1	2
OTORHINOLARYNGOLOGY	24	1	23	21	3	22	2	22	2
PEDIATRICS	88	58	30	86	2	17	71	66	22
PHARMACEUTICAL SCIENCES	1,640	472	1,168	1,154	486	1,213	427	1,407	233
PREVENTIVE MEDICINE/COMMUNITY HEALTH	3,943	2,096	1,847	3,558	385	1,775	2,168	2,964	979
PSYCHIATRY	164	34	130	156	8	93	71	122	42
PULMONARY DISEASE	1	0	1	1	0	0	1	1	0
RADIOLOGY	193	57	136	158	35	146	47	183	10
SPEECH PATHOLOGY/AUDIOLOGY	3,621	1,550	2,071	3,495	126	534	3,087	3,095	526
SURGERY	59	13	46	53	6	51	8	46	13
VETERINARY SCIENCES	748	238	510	539	209	518	230	685	63
CLINICAL MEDICINE, N.E.C.	518	241	277	490	28	239	279	281	237
HEALTH RELATED, N.E.C.	2,794	1,109	1,685	2,527	267	1,287	1,507	1,684	1,110
PSYCHOLOGY	20,705	5,455	15,250	19,744	961	10,579	10,126	12,820	7,885
SOCIAL SCIENCES	51,734	17,918	33,816	42,952	8,782	31,002	20,732	35,112	16,622
AGRICULTURAL ECONOMICS	1,977	691	1,286	1,314	663	1,625	352	1,832	145
ANTHROPOLOGY	4,450	1,101	3,349	4,130	320	2,197	2,253	3,304	1,146
ECONOMICS (EXCEPT AGRICULTURAL)	7,804	2,410	5,394	4,804	3,000	6,279	1,525	4,833	2,971
GEOGRAPHY	1,881	653	1,228	1,556	325	1,332	549	1,685	196
HISTORY AND PHILOSOPHY OF SCIENCE	234	43	191	204	30	171	63	181	103
LINGUISTICS	2,886	953	1,933	2,194	692	1,389	1,577	1,898	1,028
POLITICAL SCIENCE	13,077	5,209	7,868	11,043	2,834	9,065	4,012	7,110	5,967
SOCIOLOGY	6,980	2,034	4,946	5,901	1,079	3,919	3,061	5,151	1,829
SOCIOLOGY/ANTHROPOLOGY	634	194	440	514	120	347	287	393	241
SOCIAL SCIENCES, N.E.C.	11,811	4,630	7,181	11,292	919	4,758	7,093	8,815	2,996

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-7. FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, SEX, AND TYPE OF CONTROL: 1979

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX		TYPE OF CONTROL	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN	PUBLIC	PRIVATE
TOTAL, ALL FIELDS	19,274	8,266	11,008	17,091	2,183	11,346	7,928	13,278	5,996
ENGINEERING	1,381	661	720	855	526	1,162	219	963	418
AERONAUTICAL	1	1	0	0	1	1	0	0	1
AGRICULTURAL	8	1	7	7	1	7	1	8	1
BIOMEDICAL	19	0	19	19	0	19	0	17	2
CHEMICAL	56	45	11	26	30	51	5	20	36
CIVIL	181	132	49	114	67	149	32	135	46
ELECTRICAL	215	126	89	83	132	217	8	108	107
ENGINEERING SCIENCE	14	10	4	10	4	13	1	9	5
INDUSTRIAL	113	48	65	83	30	99	14	36	77
MECHANICAL	89	45	44	45	44	87	2	41	48
METALLURGICAL/MATERIALS	9	1	8	4	5	8	1	8	1
MINING	1	0	1	1	0	1	0	1	0
NUCLEAR	0	0	0	0	0	0	0	0	0
PETROLEUM	1	0	1	0	1	1	0	1	0
ENGINEERING, N.E.C.	674	252	422	463	211	519	155	579	95
PHYSICAL SCIENCES	723	259	464	557	166	564	159	555	168
ASTRONOMY	0	0	0	0	0	0	0	0	0
CHEMISTRY	516	177	339	398	118	398	118	384	132
PHYSICS	184	77	107	136	48	151	33	150	34
PHYSICAL SCIENCES, N.E.C.	23	5	18	23	0	15	8	21	2
ENVIRONMENTAL SCIENCES	377	141	236	333	44	299	78	335	42
ATMOSPHERIC SCIENCES	3	1	2	3	0	2	1	3	0
GEOSCIENCES	184	78	106	166	18	180	24	194	3
OCEANOGRAPHY	23	5	18	23	0	14	9	23	0
ENVIRONMENTAL SCIENCES, N.E.C.	167	57	110	141	26	123	44	125	42
MATHEMATICAL SCIENCES	1,246	552	694	954	292	945	301	807	439
COMPUTER SCIENCE	714	332	382	519	195	587	127	315	399
MATHEMATICS AND APPLIED MATHEMATICS	520	213	307	425	95	347	173	481	39
STATISTICS	12	7	5	10	2	11	1	11	1
LIFE SCIENCES	4,707	1,965	2,742	4,233	474	2,643	2,064	3,909	798
AGRICULTURAL SCIENCES	637	201	436	472	165	560	77	603	34
BIOLOGICAL SCIENCES	2,295	898	1,397	2,072	223	1,497	798	1,986	309
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	33	5	28	31	2	28	5	21	12
BIOLOGY	2,045	784	1,261	1,853	192	1,374	671	1,811	234
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0
BOTANY	18	18	0	18	0	18	0	17	1
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	43	25	18	43	0	43	0	43	0
MICROBIOLOGY	34	12	22	24	10	21	13	30	4
NUTRITION	61	34	27	50	11	5	56	61	0
PATHOLOGY	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	18	7	11	15	3	13	5	15	3
PHYSIOLOGY	1	0	1	1	0	1	0	0	1
ZOOLOGY	29	12	17	29	0	24	5	24	5
BIOSCIENCES, N.E.C.	13	1	12	8	5	13	0	7	6
HEALTH SCIENCES	1,775	866	909	1,689	86	586	1,189	1,320	455
ANESTHESIOLOGY	0	0	0	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	195	75	120	191	4	11	184	131	64
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	3	2	1	3	0	3	0	0	3
PREVENTIVE MEDICINE/COMMUNITY HEALTH	33	17	16	24	9	15	18	33	0
PSYCHIATRY	0	0	0	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	700	317	383	682	18	78	622	522	178
SURGERY	0	0	0	0	0	0	0	0	0
VETERINARY SCIENCES	12	7	5	10	2	9	3	8	12
CLINICAL MEDICINE, N.E.C.	30	15	15	30	0	11	19	30	0
HEALTH RELATED, N.E.C.	802	433	369	749	53	459	343	604	198
PSYCHOLOGY	5,121	2,236	2,885	4,939	182	2,690	2,431	3,164	1,957
SOCIAL SCIENCES	5,719	2,452	3,267	5,220	499	3,043	2,676	3,945	2,174
AGRICULTURAL ECONOMICS	18	15	3	8	10	15	3	18	0
ANTHROPOLOGY	127	12	115	114	13	62	65	126	1
ECONOMICS (EXCEPT AGRICULTURAL)	236	104	132	123	113	187	49	182	94
GEOGRAPHY	181	76	105	165	16	120	61	181	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	92	45	47	85	7	47	45	87	5
POLITICAL SCIENCE	1,612	696	916	1,428	184	1,076	536	889	723
SOCIOLOGY	844	353	491	772	72	472	372	639	205
SOCIOLOGY/ANTHROPOLOGY	15	7	8	13	2	9	6	3	12
SOCIAL SCIENCES, N.E.C.	2,994	1,144	1,450	2,912	82	1,897	1,537	1,420	1,174

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-8. FULL-TIME GRADUATE STUDENTS IN ALL INSTITUTIONS BY SEX, SOURCE OF MAJOR SUPPORT,
AND AREA OF SCIENCE: 1979

SEX AND SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES
TOTAL:								
TOTAL, ALL SOURCES	243,331	40,663	22,645	10,296	15,205	71,243	25,826	57,453
FEDERAL, TOTAL	54,597	11,100	7,525	3,447	1,456	21,295	3,623	6,151
DEPT OF DEFENSE	5,040	2,772	677	392	426	325	150	298
DEPT OF HEW, TOTAL	23,385	1,138	1,593	258	149	15,160	2,564	2,523
NIH	12,130	504	1,423	44	101	8,362	1,138	558
OTHER HEW	11,255	634	170	214	48	6,798	1,426	1,965
NSF	9,372	2,411	2,964	1,288	577	1,327	261	544
ALL OTHER FEDERAL	16,800	4,779	2,291	1,509	304	4,483	648	2,786
INSTITUTIONAL SUPPORT	86,995	11,731	11,970	3,616	8,309	23,514	8,184	19,671
OTHER OUTSIDE SUPPORT, TOTAL ...	21,082	5,906	1,497	860	1,046	6,097	1,486	4,190
ALL OTHER U.S.	13,233	3,828	1,096	527	592	3,500	1,362	2,329
FOREIGN	7,849	2,078	401	333	454	2,597	124	1,862
SELF-SUPPORT	80,657	11,926	1,653	2,373	4,394	20,337	12,533	27,441
MEN:								
TOTAL, ALL SOURCES	164,118	37,109	19,164	8,153	12,008	40,370	13,269	34,045
FEDERAL, TOTAL	37,521	10,270	6,573	2,790	1,254	11,181	1,919	3,534
DEPT OF DEFENSE	4,626	2,679	609	350	382	235	106	265
DEPT OF HEW, TOTAL	11,657	947	1,270	180	108	6,864	1,262	1,026
NIH	7,735	437	1,146	31	82	5,274	541	224
OTHER HEW	3,922	510	124	149	26	1,590	721	802
NSF	7,834	2,250	2,639	1,044	503	905	144	349
ALL OTHER FEDERAL	13,404	4,394	2,055	1,216	261	3,177	407	1,894
INSTITUTIONAL SUPPORT	60,821	10,603	9,938	2,767	6,454	14,821	4,244	11,994
OTHER OUTSIDE SUPPORT, TOTAL ...	16,338	5,459	1,275	727	836	4,328	786	2,927
ALL OTHER U.S.	9,547	3,469	926	417	460	2,216	710	1,349
FOREIGN	6,791	1,990	349	310	376	2,112	76	1,578
SELF-SUPPORT	49,438	10,777	1,378	1,869	3,464	10,040	6,320	15,590
WOMEN:								
TOTAL, ALL SOURCES	79,213	3,554	3,481	2,143	3,197	30,873	12,557	23,408
FEDERAL, TOTAL	17,376	830	952	657	202	10,114	1,704	2,617
DEPT OF DEFENSE	414	93	68	42	44	90	44	33
DEPT OF HEW, TOTAL	11,728	191	323	78	41	8,296	1,302	1,497
NIH	4,395	67	277	13	14	3,088	597	334
OTHER HEW	7,333	124	46	65	22	5,208	705	1,163
NSF	1,538	161	325	244	74	422	117	195
ALL OTHER FEDERAL	3,396	385	236	293	43	1,306	241	892
INSTITUTIONAL SUPPORT	26,174	1,128	2,032	849	1,055	8,693	3,940	7,677
OTHER OUTSIDE SUPPORT, TOTAL ...	4,744	447	222	133	210	1,769	700	1,263
ALL OTHER U.S.	3,686	359	170	110	132	1,284	652	979
FOREIGN	1,058	88	52	23	78	485	48	284
SELF-SUPPORT	31,219	1,149	275	504	930	10,297	6,213	11,851

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-9. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY SEX, SOURCE OF MAJOR SUPPORT, AND AREA OF SCIENCE: 1979

SEX AND SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES
TOTAL:								
TOTAL, ALL SOURCES	224,057	39,282	21,922	9,919	13,959	66,536	20,705	51,734
FEDERAL, TOTAL	52,978	11,006	7,447	3,414	1,432	20,665	3,448	5,566
DEPT OF DEFENSE	4,998	2,770	672	392	426	299	150	289
DEPT OF HEW, TOTAL	22,714	1,096	1,568	254	144	14,806	2,492	2,354
NIH	11,959	504	1,395	44	101	8,251	1,117	943
OTHER HEW	10,755	592	169	210	43	6,555	1,375	1,811
NSF	9,272	2,411	2,949	1,276	575	1,275	254	532
ALL OTHER FEDERAL	15,994	4,729	2,258	1,492	287	4,285	552	2,391
INSTITUTIONAL SUPPORT	83,048	11,362	11,543	3,472	7,924	22,342	7,439	18,966
OTHER OUTSIDE SUPPORT, TOTAL ...	20,128	5,771	1,461	835	997	5,915	1,351	3,798
ALL OTHER U.S.	12,569	3,798	1,066	511	583	3,359	1,238	2,014
FOREIGN	7,559	1,973	395	324	414	2,556	113	1,784
SELF-SUPPORT	67,903	11,143	1,471	2,198	3,606	17,614	8,467	23,404
MEN:								
TOTAL, ALL SOURCES	152,772	35,947	18,600	7,854	11,063	37,727	10,579	31,002
FEDERAL, TOTAL	36,523	10,203	6,512	2,763	1,236	10,842	1,803	3,164
DEPT OF DEFENSE	4,586	2,677	604	350	382	210	106	257
DEPT OF HEW, TOTAL	11,386	928	1,251	176	107	6,742	1,221	961
NIH	7,636	437	1,127	31	82	5,211	531	217
OTHER HEW	3,750	491	124	145	25	1,531	690	744
NSF	7,771	2,250	2,630	1,034	502	870	141	344
ALL OTHER FEDERAL	12,780	4,348	2,027	1,203	245	3,020	335	1,602
INSTITUTIONAL SUPPORT	58,402	10,296	9,606	2,649	6,184	14,169	3,879	11,619
OTHER OUTSIDE SUPPORT, TOTAL ...	15,768	5,333	1,250	703	797	4,240	724	2,721
ALL OTHER U.S.	9,230	3,448	904	402	452	2,157	656	1,211
FOREIGN	6,538	1,885	346	301	345	2,083	68	1,510
SELF-SUPPORT	42,079	10,115	1,232	1,739	2,846	8,476	4,173	13,498
WOMEN:								
TOTAL, ALL SOURCES	71,285	3,335	3,322	2,065	2,896	28,809	10,126	20,732
FEDERAL, TOTAL	16,455	803	935	651	196	9,823	1,645	2,402
DEPT OF DEFENSE	412	93	68	42	44	89	44	32
DEPT OF HEW, TOTAL	11,328	168	317	78	37	8,064	1,271	1,393
NIH	4,323	67	272	13	19	3,040	586	326
OTHER HEW	7,005	101	45	65	18	5,024	685	1,067
NSF	1,501	161	319	242	73	405	113	188
ALL OTHER FEDERAL	3,214	381	231	289	42	1,265	217	789
INSTITUTIONAL SUPPORT	24,646	1,066	1,937	823	1,740	8,173	3,560	7,347
OTHER OUTSIDE SUPPORT, TOTAL ...	4,360	438	211	132	200	1,675	627	1,077
ALL OTHER U.S.	3,339	350	162	109	131	1,262	582	803
FOREIGN	1,021	88	49	23	69	413	45	274
SELF-SUPPORT	25,824	1,028	239	459	760	9,138	4,294	9,906

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-10. FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS BY SEX, SOURCE OF MAJOR SUPPORT, AND AREA OF SCIENCE: 1979

SEX AND SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES
TOTAL:								
TOTAL, ALL SOURCES	19,274	1,381	723	377	1,246	4,707	5,121	5,719
FEDERAL, TOTAL	1,619	94	78	33	24	630	175	585
DEPT OF DEFENSE	42	2	5	0	0	26	0	9
DEPT OF HEW, TOTAL	671	42	25	4	5	354	72	169
NIH	171	0	24	0	0	111	21	15
OTHER HEW	500	42	1	4	5	243	51	154
NSF	100	0	15	12	2	52	7	12
ALL OTHER FEDERAL	806	50	33	17	17	198	96	395
INSTITUTIONAL SUPPORT	3,947	369	427	144	385	1,172	745	705
OTHER OUTSIDE SUPPORT, TOTAL ...	954	135	36	25	49	182	135	392
ALL OTHER U.S.	664	30	30	16	9	141	124	314
FOREIGN	290	105	6	9	40	41	11	78
SELF-SUPPORT	12,754	783	182	175	788	2,723	4,066	4,037
MEN:								
TOTAL, ALL SOURCES	11,346	1,162	564	299	945	2,643	2,690	3,043
FEDERAL, TOTAL	998	67	61	27	18	339	116	370
DEPT OF DEFENSE	40	2	5	0	0	25	0	8
DEPT OF HEW, TOTAL	271	19	19	4	1	122	41	65
NIH	99	0	19	0	0	63	10	7
OTHER HEW	172	19	0	4	1	59	31	58
NSF	63	0	9	10	1	35	3	5
ALL OTHER FEDERAL	624	46	28	13	16	157	72	292
INSTITUTIONAL SUPPORT	2,419	307	332	118	270	652	365	375
OTHER OUTSIDE SUPPORT, TOTAL ...	570	126	25	24	39	88	62	206
ALL OTHER U.S.	317	21	22	15	8	59	54	139
FOREIGN	253	105	3	9	31	29	8	67
SELF-SUPPORT	7,359	652	146	130	618	1,564	2,147	2,092
WOMEN:								
TOTAL, ALL SOURCES	7,928	219	159	78	301	2,064	2,431	2,676
FEDERAL, TOTAL	621	27	17	6	6	291	59	215
DEPT OF DEFENSE	2	0	0	0	0	1	0	1
DEPT OF HEW, TOTAL	400	23	6	0	4	232	31	104
NIH	72	0	5	0	0	48	11	8
OTHER HEW	328	23	1	0	4	184	20	96
NSF	37	0	6	2	1	17	4	7
ALL OTHER FEDERAL	182	4	5	4	1	41	24	103
INSTITUTIONAL SUPPORT	1,528	62	95	26	115	520	380	330
OTHER OUTSIDE SUPPORT, TOTAL ...	384	9	11	1	10	94	73	186
ALL OTHER U.S.	347	9	8	1	1	82	70	176
FOREIGN	37	0	3	0	9	12	3	10
SELF-SUPPORT	5,395	121	36	45	170	1,159	1,919	1,945

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-11. FULL-TIME GRADUATE STUDENTS IN ALL INSTITUTIONS BY HIGHEST DEGREE GRANTED AND SOURCE AND TYPE OF MAJOR SUPPORT: 1979

HIGHEST DEGREE GRANTED AND SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH ASSISTANT- SHIPS	TEACHING ASSISTANT- SHIPS	OTHER TYPES OF SUPPORT
ALL INSTITUTIONS:						
TOTAL, ALL SOURCES	243,331	20,893	19,450	49,499	52,289	101,200
FEDERAL, TOTAL	54,597	5,003	14,984	28,116	677	5,817
DEPT OF DEFENSE	5,040	225	53	2,804	0	1,958
DEPT OF HEW, TOTAL	23,385	2,415	13,607	6,221	257	885
NIH	12,130	826	5,762	5,080	116	346
OTHER HEW	11,255	1,589	7,845	1,141	141	539
NSF	9,372	1,361	267	7,505	36	203
ALL OTHER FEDERAL	16,800	1,002	1,057	11,586	384	2,771
INSTITUTIONAL SUPPORT	86,995	10,132	3,003	15,770	51,202	6,888
OTHER OUTSIDE SUPPORT, TOTAL ...	21,082	5,758	1,463	5,613	410	7,838
ALL OTHER U.S.	13,233	2,999	459	4,926	410	3,939
FOREIGN	7,849	2,759	504	687	0	3,899
SELF-SUPPORT	80,657	0	0	0	0	80,657
DOCTORATE-GRANTING:						
TOTAL, ALL SOURCES	224,057	20,326	18,747	48,497	49,777	86,710
FEDERAL, TOTAL	52,978	4,873	14,441	27,829	616	5,219
DEPT OF DEFENSE	4,998	224	52	2,797	0	1,925
DEPT OF HEW, TOTAL	22,714	2,314	13,189	6,141	246	824
NIH	11,959	794	5,716	5,005	109	335
OTHER HEW	10,755	1,520	7,473	1,136	137	489
NSF	9,272	1,351	230	7,463	27	201
ALL OTHER FEDERAL	15,994	984	970	11,428	343	2,269
INSTITUTIONAL SUPPORT	83,048	9,858	2,899	15,111	48,785	6,395
OTHER OUTSIDE SUPPORT, TOTAL ...	20,128	5,595	1,407	5,557	376	7,193
ALL OTHER U.S.	12,569	2,874	908	4,870	376	3,541
FOREIGN	7,559	2,721	499	687	0	3,652
SELF-SUPPORT	67,903	0	0	0	0	67,903
MASTER'S-GRANTING:						
TOTAL, ALL SOURCES	19,274	567	703	1,002	2,512	14,490
FEDERAL, TOTAL	1,619	130	543	287	61	598
DEPT OF DEFENSE	42	1	1	7	0	33
DEPT OF HEW, TOTAL	671	101	418	80	11	61
NIH	171	32	46	75	7	11
OTHER HEW	500	69	372	5	4	50
NSF	100	10	37	42	9	2
ALL OTHER FEDERAL	806	18	87	158	41	502
INSTITUTIONAL SUPPORT	3,947	274	104	659	2,417	493
OTHER OUTSIDE SUPPORT, TOTAL ...	954	163	56	56	34	645
ALL OTHER U.S.	664	125	51	56	34	398
FOREIGN	290	38	5	0	0	247
SELF-SUPPORT	12,754	0	0	0	0	12,754

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-12. FULL-TIME GRADUATE STUDENTS IN ALL INSTITUTIONS BY FIELD OF SCIENCE
AND TYPE OF MAJOR SUPPORT: 1979

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH ASSISTANT- SHIPS	TEACHING ASSISTANT- SHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL FIELDS	243,331	20,893	19,450	49,499	52,289	101,200
ENGINEERING	40,663	3,445	1,007	12,763	6,801	16,647
AERONAUTICAL	1,143	85	7	501	172	378
AGRICULTURAL	752	63	14	387	68	220
BIOMEDICAL	814	76	115	192	91	340
CHEMICAL	4,407	648	80	1,697	794	1,188
CIVIL	6,667	455	233	1,929	979	3,071
ELECTRICAL	8,998	608	148	2,560	1,854	3,828
ENGINEERING SCIENCE	1,489	129	28	516	266	550
INDUSTRIAL	4,152	203	171	590	597	2,591
MECHANICAL	5,084	461	56	1,770	1,044	1,753
METALLURGICAL/MATERIALS	2,172	249	25	1,355	200	343
MINING	362	110	40	99	39	74
NUCLEAR	1,112	112	16	547	134	303
PETROLEUM	368	74	4	132	39	119
ENGINEERING, N.E.C.	3,143	172	70	488	524	1,889
PHYSICAL SCIENCES	22,645	1,899	455	7,823	9,917	2,551
ASTRONOMY	509	74	9	213	160	53
CHEMISTRY	13,306	1,077	373	4,129	6,349	1,378
PHYSICS	8,699	741	71	3,456	3,383	1,048
PHYSICAL SCIENCES, N.E.C.	131	7	2	25	25	72
ENVIRONMENTAL SCIENCES	10,296	831	269	3,490	2,552	3,154
ATMOSPHERIC SCIENCES	820	32	11	522	92	163
GEO SCIENCES	6,656	578	102	1,869	2,058	2,049
OCEANOGRAPHY	1,729	99	52	891	173	514
ENVIRONMENTAL SCIENCES, N.E.C.	1,091	122	104	208	229	428
MATHEMATICAL SCIENCES	15,205	1,161	192	1,653	6,735	5,464
COMPUTER SCIENCE	5,989	402	60	881	1,352	3,294
MATHEMATICS AND APPLIED MATHEMATICS	7,790	622	110	479	4,794	1,785
STATISTICS	1,426	137	22	293	589	385
LIFE SCIENCES	71,243	5,061	12,274	15,517	12,374	26,017
AGRICULTURAL SCIENCES	10,901	580	222	4,914	991	4,194
BIOLOGICAL SCIENCES	37,168	3,144	5,075	9,156	9,453	10,335
ANATOMY	1,042	101	199	168	335	239
BIOCHEMISTRY	3,532	393	685	1,425	558	471
BIOLOGY	10,213	722	871	1,312	3,841	3,467
BIOMETRY/EPIDEMIOLOGY	743	49	283	84	46	281
BIOPHYSICS	556	59	203	174	28	92
BOTANY	2,509	138	45	924	831	571
CELL BIOLOGY	660	100	247	144	95	74
ECOLOGY	704	65	18	217	233	171
ENTOMOLOGY/PARASITOLOGY	1,461	90	37	812	162	360
GENETICS	850	105	231	186	106	222
MICROBIOLOGY	3,385	319	629	899	770	768
NUTRITION	2,865	159	196	1,010	281	1,219
PATHOLOGY	1,008	161	203	165	60	419
PHARMACOLOGY	1,804	241	600	396	221	346
PHYSIOLOGY	1,919	184	382	414	381	558
ZOOLOGY	2,424	121	80	480	1,238	505
BIO SCIENCES, N.E.C.	1,493	137	166	346	272	572
HEALTH SCIENCES	23,174	1,337	6,977	1,447	1,925	11,488
ANESTHESIOLOGY	18	3	0	0	0	15
CARDIOLOGY	3	0	1	2	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	1,184	128	74	36	199	747
ENDOCRINOLOGY	44	13	7	8	10	6
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	7	5	0	0	0	2
NEUROLOGY	173	77	48	15	23	10
NURSING	6,336	242	3,490	75	208	2,321
OBSTETRICS/GYNECOLOGY	33	9	11	8	1	4
OPHTHALMOLOGY	3	0	2	0	0	1
OTORHINOLARYNGOLOGY	24	9	5	4	0	6
PEDIATRICS	88	10	43	0	0	35
PHARMACEUTICAL SCIENCES	1,643	146	97	358	628	414
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,976	108	1,516	151	75	2,126
PSYCHIATRY	164	22	37	26	1	78
PULMONARY DISEASE	1	0	0	0	1	0
RADIOLOGY	193	11	27	51	15	89
SPEECH PATHOLOGY/AUDIOLOGY	4,321	203	684	245	488	2,701
SURGERY	59	35	1	0	0	23
VETERINARY SCIENCES	760	65	72	233	128	262
CLINICAL MEDICINE, N.E.C.	548	60	66	26	20	376
HEALTH RELATED, N.E.C.	3,596	191	796	209	128	2,772
PSYCHOLOGY	25,826	1,659	2,186	2,528	4,523	14,930
SOCIAL SCIENCES	57,453	6,837	3,067	5,725	9,387	32,437
AGRICULTURAL ECONOMICS	1,995	135	41	988	89	742
ANTHROPOLOGY	4,577	693	135	401	843	2,505
ECONOMICS (EXCEPT AGRICULTURAL)	8,040	1,117	239	1,136	2,170	3,378
GEOGRAPHY	2,062	125	45	222	768	902
HISTORY AND PHILOSOPHY OF SCIENCE	234	59	9	11	67	88
LINGUISTICS	2,978	562	92	182	994	1,148
POLITICAL SCIENCE	14,689	2,140	427	1,025	2,044	9,053
SOCIOLOGY	7,824	988	423	956	1,691	3,766
SOCIOLOGY/ANTHROPOLOGY	649	90	27	97	217	218
SOCIAL SCIENCES, N.E.C.	14,405	928	1,629	707	504	10,637

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-13. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1979

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH ASSISTANT-SHIPS	TEACHING ASSISTANT-SHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL FIELDS	224,657	20,326	18,747	40,497	49,777	86,710
ENGINEERING	39,282	3,393	960	12,684	6,573	15,672
AERONAUTICAL	1,142	85	7	501	172	377
AGRICULTURAL	744	63	14	387	65	215
BIOMEDICAL	795	76	115	190	90	324
CHEMICAL	4,351	634	80	1,696	789	1,152
CIVIL	6,486	445	228	1,914	970	2,929
ELECTRICAL	8,783	596	148	2,553	1,836	3,650
ENGINEERING SCIENCE	1,475	127	28	515	262	543
INDUSTRIAL	4,639	198	171	570	564	2,536
MECHANICAL	4,995	458	56	1,766	1,033	1,682
METALLURGICAL/MATERIALS	2,163	247	25	1,354	199	338
MINING	361	110	40	98	39	74
NUCLEAR	1,112	112	16	547	134	303
PETROLEUM	367	74	4	132	38	119
ENGINEERING, N.E.C.	2,469	168	28	461	382	1,430
PHYSICAL SCIENCES	21,922	1,867	429	7,740	9,547	2,339
ASTRONOMY	509	74	9	213	160	53
CHEMISTRY	12,790	1,055	352	4,051	6,099	1,233
PHYSICS	8,515	731	68	3,452	3,270	994
PHYSICAL SCIENCES, N.E.C.	108	7	0	24	18	59
ENVIRONMENTAL SCIENCES	9,919	819	267	3,452	2,441	2,940
ATMOSPHERIC SCIENCES	817	32	11	520	91	163
GEOSCIENCES	6,472	576	102	1,850	2,002	1,942
OCEANOGRAPHY	1,706	97	52	889	161	507
ENVIRONMENTAL SCIENCES, N.E.C.	924	114	102	193	187	328
MATHEMATICAL SCIENCES	13,959	1,147	186	1,626	6,417	4,583
COMPUTER SCIENCE	5,275	390	60	873	1,253	2,699
MATHEMATICS AND APPLIED MATHEMATICS	7,270	620	104	460	4,584	1,502
STATISTICS	1,414	137	22	293	580	382
LIFE SCIENCES	66,536	4,913	11,971	15,129	11,564	22,959
AGRICULTURAL SCIENCES	10,264	556	201	4,849	962	3,696
BIOLOGICAL SCIENCES	34,873	3,081	5,021	8,915	8,764	9,092
ANATOMY	1,042	101	199	168	335	239
BIOCHEMISTRY	3,499	389	685	1,422	546	457
BIOLOGY	8,165	828	1,104	3,193	2,378	2,378
BIOMETRY/EPIDEMIOL.	743	49	283	84	281	281
BIOPHYSICS	556	59	203	174	28	92
BOTANY	2,491	138	45	912	831	565
CELL BIOLOGY	660	100	247	144	95	74
ECOLOGY	704	65	18	217	233	171
ENTOMOLOGY/PARASITOLOGY	1,461	90	37	812	162	360
GENETICS	807	105	231	186	106	179
MICROBIOLOGY	3,351	317	627	892	765	750
NUTRITION	2,804	159	196	1,004	272	1,173
PATHOLOGY	1,008	161	203	165	60	419
PHARMACOLOGY	1,786	241	393	393	220	341
PHYSIOLOGY	1,918	184	382	414	330	858
ZOOLOGY	2,395	121	80	478	1,220	496
BIOSCIENCES, N.E.C.	1,480	137	166	346	272	959
HEALTH SCIENCES	21,399	1,276	6,749	1,365	1,838	10,171
ANESTHESIOLOGY	18	3	0	0	0	15
CARDIOLOGY	3	0	1	2	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	1,184	128	74	36	199	747
ENDOCRINOLOGY	44	13	7	8	10	6
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	7	0	0	0	0	0
NEUROLOGY	173	77	48	15	23	10
NURSING	6,141	235	3,392	75	197	2,242
OBSTETRICS/GYNECOLOGY	33	9	11	8	1	4
OPHTHALMOLOGY	3	0	2	0	0	1
OTORHINOLARYNGOLOGY	24	9	5	4	0	6
PEDIATRICS	88	10	43	0	0	35
PHARMACEUTICAL SCIENCES	1,640	146	97	358	627	412
PREVENTIVE MEDICINE/COMMUNITY HEALTH	3,943	108	1,514	149	73	2,099
PSYCHIATRY	164	22	37	26	1	78
PULMONARY DISEASE	1	0	0	0	1	0
RADIOLOGY	193	11	27	51	15	89
SPEECH PATHOLOGY/AUDIOLOGY	3,621	177	630	198	433	2,183
SURGERY	59	35	1	0	23	0
VETERINARY SCIENCES	748	65	63	233	127	260
CLINICAL MEDICINE, N.E.C.	518	60	66	26	20	346
HEALTH RELATED, N.E.C.	2,794	163	731	176	111	1,613
PSYCHOLOGY	20,705	1,538	2,106	2,333	4,180	10,548
SOCIAL SCIENCES	51,734	6,649	2,828	5,533	9,055	27,669
AGRICULTURAL ECONOMICS	1,977	135	37	985	89	731
ANTHROPOLOGY	4,450	693	135	374	837	2,411
ECONOMICS (EXCEPT AGRICULTURAL)	7,804	1,115	236	1,112	2,152	3,189
GEOGRAPHY	1,881	125	44	212	715	785
HISTORY AND PHILOSOPHY OF SCIENCE	234	59	9	11	67	88
LINGUISTICS	2,886	562	92	171	972	1,089
POLITICAL SCIENCE	13,077	2,111	375	955	1,943	7,693
SOCIOLOGY	6,980	972	412	927	1,581	3,008
SOCIOLOGY/ANTHROPOLOGY	634	90	16	97	217	214
SOCIAL SCIENCES, N.E.C.	11,811	787	1,472	689	482	8,381

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-14. FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1979

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH ASSISTANT-SHIPS	TEACHING ASSISTANT-SHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL FIELDS	19,274	567	703	1,002	2,512	14,490
ENGINEERING	1,381	52	47	79	228	975
AERONAUTICAL	1	0	0	0	0	1
AGRICULTURAL	18	0	0	0	3	16
BIOMEDICAL	19	0	0	0	1	18
CHEMICAL	56	14	1	1	5	36
CIVIL	181	10	5	15	9	142
ELECTRICAL	215	12	0	7	18	178
ENGINEERING SCIENCE	14	2	0	1	4	7
INDUSTRIAL	113	5	0	20	33	55
MECHANICAL	89	3	0	4	11	71
METALLURGICAL/MATERIALS	9	2	0	1	1	5
MINING	1	0	0	1	0	0
NUCLEAR	1	0	0	0	0	0
PETROLEUM	1	0	0	0	1	0
ENGINEERING, N.E.C.	674	4	42	27	142	459
PHYSICAL SCIENCES	723	32	26	83	370	212
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	516	22	21	78	250	145
PHYSICS	184	10	3	4	113	54
PHYSICAL SCIENCES, N.E.C.	23	0	2	1	7	13
ENVIRONMENTAL SCIENCES	377	12	2	38	111	214
ATMOSPHERIC SCIENCES	3	0	0	2	1	0
GEOSCIENCES	184	2	0	19	56	107
OCEANOGRAPHY	23	2	0	2	12	7
ENVIRONMENTAL SCIENCES, N.E.C.	167	8	2	15	42	100
MATHEMATICAL SCIENCES	1,246	14	6	27	318	881
COMPUTER SCIENCE	714	12	0	8	99	595
MATHEMATICS AND APPLIED MATHEMATICS	520	2	6	19	210	283
STATISTICS	12	0	0	0	9	3
LIFE SCIENCES	4,707	148	303	388	810	3,058
AGRICULTURAL SCIENCES	637	24	21	65	29	498
BIOLOGICAL SCIENCES	2,295	63	54	241	694	1,243
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	33	4	0	3	12	14
BIOLOGY	2,045	57	43	208	648	1,089
BIOMETRY/EPIDEMIOL.	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	18	0	0	12	0	6
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	43	0	0	0	0	43
MICROBIOLOGY	34	2	0	5	18	59
NUTRITION	61	0	0	6	9	46
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	18	0	9	3	1	5
PHYSIOLOGY	1	0	0	0	1	0
ZOOLOGY	29	0	0	2	18	9
BIOSCIENCES, N.E.C.	13	0	0	0	0	13
HEALTH SCIENCES	1,775	61	228	82	87	1,317
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	195	7	98	0	11	79
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	3	0	0	0	1	2
PREVENTIVE MEDICINE/COMMUNITY HEALTH	33	0	2	2	2	27
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	700	26	54	47	55	518
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	12	0	9	0	1	2
CLINICAL MEDICINE, N.E.C.	30	0	0	0	0	30
HEALTH RELATED, N.E.C.	802	28	65	33	17	659
PSYCHOLOGY	5,121	121	80	195	343	4,382
SOCIAL SCIENCES	5,719	188	239	192	332	4,768
AGRICULTURAL ECONOMICS	18	0	4	3	0	11
ANTHROPOLOGY	127	0	0	27	6	94
ECONOMICS (EXCEPT AGRICULTURAL)	236	2	3	24	18	189
GEOGRAPHY	181	0	1	10	53	117
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	92	0	0	11	22	59
POLITICAL SCIENCE	1,612	29	52	70	101	1,360
SOCIOLOGY	844	16	11	29	110	678
SOCIOLOGY/ANTHROPOLOGY	15	0	11	0	0	4
SOCIAL SCIENCES, N.E.C.	2,594	141	157	18	22	2,256

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-15. PART-TIME GRADUATE STUDENTS IN ALL INSTITUTIONS BY FIELD OF SCIENCE,
LEVEL OF STUDY, SEX, AND TYPE OF CONTROL: 1979

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		SEX		TYPE OF CONTROL	
		FIRST YEAR	BEYOND FIRST YEAR	MEN	WOMEN	PUBLIC	PRIVATE
TOTAL, ALL FIELDS	131,936	43,414	88,522	84,046	47,890	80,723	51,213
ENGINEERING	33,855	11,569	22,286	31,064	2,791	16,582	17,273
AERONAUTICAL	318	141	177	305	13	255	63
AGRICULTURAL	114	21	93	109	5	114	0
BIOMEDICAL	190	41	149	169	21	88	102
CHEMICAL	1,432	480	952	1,241	191	887	545
CIVIL	4,969	1,602	3,367	4,566	403	3,065	1,904
ELECTRICAL	9,060	3,121	5,939	8,584	476	4,356	4,704
ENGINEERING SCIENCE	866	282	584	792	74	611	255
INDUSTRIAL	7,717	3,107	4,610	6,910	807	1,570	6,147
MECHANICAL	3,736	1,170	2,566	3,536	200	1,981	1,755
METALLURGICAL/MATERIALS	640	167	473	562	78	333	307
MINING	112	17	95	110	2	107	5
NUCLEAR	261	36	225	250	11	103	78
PETROLEUM	105	8	97	101	4	78	27
ENGINEERING, N.E.C.	4,335	1,376	2,959	3,829	506	2,954	1,381
PHYSICAL SCIENCES	4,336	1,347	2,989	3,293	1,043	2,738	1,598
ASTRONOMY	38	7	31	31	7	36	2
CHEMISTRY	2,736	870	1,866	1,963	773	1,736	1,000
PHYSICS	1,224	349	875	1,092	132	855	369
PHYSICAL SCIENCES, N.E.C.	338	121	217	207	131	111	227
ENVIRONMENTAL SCIENCES	2,963	637	2,326	2,284	679	2,492	471
ATMOSPHERIC SCIENCES	110	17	93	99	11	109	1
GEOSCIENCES	1,736	376	1,360	1,332	404	1,463	273
OCEANOGRAPHY	375	58	317	312	63	323	52
ENVIRONMENTAL SCIENCES, N.E.C.	742	186	556	541	201	597	145
MATHEMATICAL SCIENCES	11,013	3,969	7,044	7,889	3,124	6,560	4,513
COMPUTER SCIENCE	5,609	1,814	3,795	4,356	1,253	3,039	2,570
MATHEMATICS AND APPLIED MATHEMATICS	4,882	1,931	2,951	3,184	1,698	3,175	1,707
STATISTICS	522	224	298	349	173	286	236
LIFE SCIENCES	28,052	9,314	18,738	11,143	16,909	20,456	7,596
AGRICULTURAL SCIENCES	2,623	451	2,172	2,080	543	2,570	53
BIOLOGICAL SCIENCES	10,077	2,991	7,086	5,687	4,390	7,226	2,851
ANATOMY	69	10	59	41	28	49	20
BIOCHEMISTRY	355	116	239	218	137	228	127
BIOLOGY	5,521	1,831	3,690	3,232	2,289	3,667	1,854
BIOMETRY/EPIDEMIOLOGY	157	52	105	82	75	110	47
BIOPHYSICS	31	3	28	25	6	31	0
BOTANY	231	45	186	141	90	201	30
CELL BIOLOGY	20	3	17	14	6	17	3
ECOLOGY	106	19	87	76	30	106	0
ENTOMOLOGY/PARASITOLOGY	230	40	190	189	42	226	4
GENETICS	95	10	85	51	44	45	50
MICROBIOLOGY	618	157	461	354	264	480	138
NUTRITION	848	267	581	168	680	750	98
PATHOLOGY	171	44	127	78	93	117	54
PHARMACOLOGY	152	35	117	95	57	63	89
PHYSIOLOGY	321	111	210	214	107	220	101
ZOOLOGY	466	59	407	324	142	441	25
BIOSCIENCES, N.E.C.	686	189	497	386	300	475	211
HEALTH SCIENCES	15,352	5,872	9,480	3,376	11,976	10,660	4,692
ANESTHESIOLOGY	2	0	2	2	0	0	2
CARDIOLOGY	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0
DENTISTRY	172	41	131	129	43	121	51
ENDOCRINOLOGY	6	2	4	2	4	6	0
GASTROENTEROLOGY	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0
NEUROLOGY	4	0	4	3	1	4	0
NURSING	6,460	3,093	3,367	231	6,229	4,625	1,835
OBSTETRICS/GYNECOLOGY	3	1	2	1	2	1	2
OPHTHALMOLOGY	0	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	2	0	2	1	1	2	0
PEDIATRICS	3	0	3	1	2	0	3
PHARMACEUTICAL SCIENCES	862	299	563	550	312	208	654
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,995	522	1,473	922	1,073	1,229	766
PSYCHIATRY	39	8	31	16	23	26	13
PULMONARY DISEASE	0	0	0	0	0	0	0
RADIOLOGY	63	10	53	60	3	58	5
SPEECH PATHOLOGY/AUDIOLOGY ..	2,355	699	1,656	258	2,097	1,994	361
SURGERY	2	1	1	2	0	0	2
VETERINARY SCIENCES	253	60	193	164	89	250	3
CLINICAL MEDICINE, N.E.C.	201	101	100	58	143	165	36
HEALTH RELATED, N.E.C.	2,930	1,035	1,895	976	1,954	1,971	959
PSYCHOLOGY	14,130	3,983	10,147	6,197	7,933	8,002	6,128
SOCIAL SCIENCES	37,587	12,595	24,992	22,176	15,411	23,953	13,634
AGRICULTURAL ECONOMICS	254	37	217	210	44	254	0
ANTHROPOLOGY	1,765	333	1,432	845	920	1,349	416
ECONOMICS (EXCEPT AGRICULTURAL)	3,456	859	2,597	2,621	835	2,055	1,401
GEOGRAPHY	992	195	797	706	286	929	63
HISTORY AND PHILOSOPHY OF SCIENCE	31	3	28	20	11	17	14
LINGUISTICS	1,622	430	1,192	569	1,053	1,150	472
POLITICAL SCIENCE	17,368	6,107	11,261	11,241	6,127	9,625	7,743
SOCIOLOGY	3,650	983	2,667	1,899	1,751	2,047	803
SOCIOLOGY/ANTHROPOLOGY	524	119	405	271	253	192	332
SOCIAL SCIENCES, N.E.C.	7,925	3,529	4,396	3,794	4,131	5,535	2,390

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-16. PART-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE, LEVEL OF STUDY, SEX, AND TYPE OF CONTROL: 1979

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		SEX		TYPE OF CONTROL	
		FIRST YEAR	BEYOND FIRST YEAR	MEN	WOMEN	PUBLIC	PRIVATE
TOTAL, ALL FIELDS	97,713	30,577	67,136	64,808	32,825	56,966	40,747
ENGINEERING	29,355	9,523	19,832	27,181	2,174	13,631	15,724
AERONAUTICAL	314	139	175	301	13	255	59
AGRICULTURAL	114	21	93	109	5	114	0
BIOMEDICAL	164	28	136	153	11	70	94
CHEMICAL	1,298	377	921	1,126	172	862	496
CIVIL	4,381	1,225	3,156	4,075	306	2,575	1,806
ELECTRICAL	8,361	2,790	5,551	7,858	443	3,974	4,327
ENGINEERING SCIENCE	611	156	455	561	50	592	19
INDUSTRIAL	7,410	3,004	4,406	6,637	773	1,484	5,926
MECHANICAL	3,180	921	2,259	3,001	179	1,755	1,425
METALLURGICAL/MATERIALS	555	141	414	491	64	279	276
MINING	112	17	95	110	2	167	5
NUCLEAR	257	36	221	246	11	183	74
PETROLEUM	105	8	97	101	4	78	27
ENGINEERING, N.E.C.	2,553	700	1,853	2,412	141	1,363	1,190
PHYSICAL SCIENCES	3,335	963	2,372	2,623	712	2,043	1,292
ASTRONOMY	38	7	31	31	7	36	2
CHEMISTRY	2,052	628	1,424	1,502	550	1,253	799
PHYSICS	1,052	285	767	947	105	721	331
PHYSICAL SCIENCES, N.E.C.	193	43	150	143	50	33	160
ENVIRONMENTAL SCIENCES	2,324	443	1,881	1,817	507	1,903	421
ATMOSPHERIC SCIENCES	101	17	84	91	10	100	1
GEOSCIENCES	1,415	271	1,144	1,098	317	1,142	273
OCEANOGRAPHY	360	55	305	301	59	308	52
ENVIRONMENTAL SCIENCES, N.E.C.	448	100	348	327	121	353	95
MATHEMATICAL SCIENCES	8,473	2,883	5,590	6,214	2,259	4,841	3,632
COMPUTER SCIENCE	4,398	1,313	3,085	3,444	954	2,490	1,908
MATHEMATICS AND APPLIED MATHEMATICS	3,733	1,513	2,220	2,545	1,168	2,087	1,646
STATISTICS	342	57	285	225	117	264	78
LIFE SCIENCES	20,507	6,583	13,924	8,141	12,366	14,431	6,076
AGRICULTURAL SCIENCES	2,158	384	1,774	1,703	455	2,142	16
BIOLOGICAL SCIENCES	6,507	1,763	4,744	3,726	2,781	4,552	1,955
ANATOMY	69	10	59	41	28	49	20
BIOCHEMISTRY	270	79	191	163	107	192	78
BIOLOGY	2,637	759	1,878	1,537	1,100	1,447	1,190
BIOMETRY/EPIDEMIOLOGY	157	52	105	82	75	110	47
BIOPHYSICS	31	3	28	25	6	31	0
BOTANY	223	43	180	135	88	201	22
CELL BIOLOGY	20	3	17	14	6	17	3
ECOLOGY	106	19	87	76	30	106	0
ENTOMOLOGY/PARASITOLOGY	230	40	190	188	42	226	4
GENETICS	90	9	81	51	39	45	45
MICROBIOLOGY	439	102	337	258	181	366	73
NUTRITION	681	217	464	162	519	583	98
PATHOLOGY	171	44	127	78	93	117	54
PHARMACOLOGY	146	29	117	91	55	63	83
PHYSIOLOGY	320	111	209	213	107	220	100
ZOOLOGY	458	57	401	316	142	437	21
BIOSCIENCES, N.E.C.	459	126	333	296	163	342	117
HEALTH SCIENCES	11,842	4,496	7,346	2,712	9,130	7,737	4,105
ANESTHESIOLOGY	2	0	2	2	0	0	2
CARDIOLOGY	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0
DENTISTRY	172	41	131	129	43	121	51
ENDOCRINOLOGY	6	2	4	2	4	6	0
GASTROENTEROLOGY	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0
NEUROLOGY	4	0	4	3	1	4	0
NURSING	5,460	2,601	2,859	189	5,271	3,887	1,573
OBSTETRICS/GYNECOLOGY	3	1	2	1	2	1	2
OPHTHALMOLOGY	0	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	2	0	2	1	1	2	0
PEDIATRICS	3	0	3	1	2	0	3
PHARMACEUTICAL SCIENCES	852	290	562	542	310	208	644
PREVENTIVE MEDICINE/COMMUNITY HEALTH	1,899	476	1,423	898	1,001	1,133	766
PSYCHIATRY	39	8	31	16	23	26	13
PULMONARY DISEASE	0	0	0	0	0	0	0
RADIOLOGY	63	10	53	60	3	58	5
SPEECH PATHOLOGY/AUDIOLOGY	1,376	362	1,014	174	1,202	1,160	216
SURGERY	2	1	1	2	0	0	2
VETERINARY SCIENCES	250	59	191	161	89	250	0
CLINICAL MEDICINE, N.E.C.	112	57	55	35	77	76	36
HEALTH RELATED, N.E.C.	1,597	588	1,009	496	1,101	805	792
PSYCHOLOGY	7,267	1,410	5,857	3,335	3,932	3,397	3,870
SOCIAL SCIENCES	26,452	8,772	17,680	15,577	10,875	16,720	9,732
AGRICULTURAL ECONOMICS	249	32	217	205	44	249	0
ANTHROPOLOGY	1,460	264	1,196	745	715	1,050	410
ECONOMICS (EXCEPT AGRICULTURAL)	2,848	640	2,208	2,184	664	1,643	1,205
GEOGRAPHY	700	111	589	500	200	642	58
HISTORY AND PHILOSOPHY OF SCIENCE	31	3	28	20	11	17	14
LINGUISTICS	1,352	305	1,047	474	878	890	462
POLITICAL SCIENCE	11,486	4,129	7,357	7,454	4,032	6,151	5,335
SOCIOLOGY	2,809	652	2,157	1,477	1,332	2,153	656
SOCIOLOGY/ANTHROPOLOGY	505	102	403	261	244	173	332
SOCIAL SCIENCES, N.E.C.	5,012	2,534	2,478	2,257	2,755	3,752	1,260

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-17. PART-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS BY FIELD OF SCIENCE, LEVEL OF STUDY, SEX, AND TYPE OF CONTROL: 1979

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		SEX		TYPE OF CONTROL	
		FIRST YEAR	BEYOND FIRST YEAR	MEN	WOMEN	PUBLIC	PRIVATE
TOTAL, ALL FIELDS	34,223	12,837	21,386	19,158	15,065	23,757	10,466
ENGINEERING	4,500	2,046	2,454	3,083	617	2,951	1,549
AERONAUTICAL	4	2	2	4	0	0	4
AGRICULTURAL	0	0	0	0	0	0	0
BIOMEDICAL	26	13	13	16	10	18	8
CHEMICAL	134	103	31	115	19	85	49
CIVIL	588	377	211	491	97	490	98
ELECTRICAL	759	371	388	726	33	382	377
ENGINEERING SCIENCE	255	126	129	231	24	19	236
INDUSTRIAL	307	103	204	273	34	86	221
MECHANICAL	556	249	307	535	21	226	330
METALLURGICAL/MATERIALS	85	26	59	71	14	54	31
MINING	0	0	0	0	0	0	0
NUCLEAR	4	0	4	4	0	0	4
PETROLEUM	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	1,782	676	1,106	1,417	365	1,591	191
PHYSICAL SCIENCES	1,001	384	617	670	331	695	306
ASTRONOMY	0	0	0	0	0	0	0
CHEMISTRY	684	242	442	461	223	483	201
PHYSICS	172	64	108	145	27	134	38
PHYSICAL SCIENCES, N.E.C.	145	78	67	64	81	78	67
ENVIRONMENTAL SCIENCES	639	194	445	467	172	589	50
ATMOSPHERIC SCIENCES	9	0	9	8	1	9	0
GEOSCIENCES	321	105	216	234	87	321	0
OCEANOGRAPHY	15	3	12	11	4	15	0
ENVIRONMENTAL SCIENCES, N.E.C.	294	86	208	214	80	244	50
MATHEMATICAL SCIENCES	2,540	1,086	1,454	1,675	865	1,659	881
COMPUTER SCIENCE	1,211	501	710	912	299	549	662
MATHEMATICS AND APPLIED MATHEMATICS	1,149	418	731	639	510	1,088	61
STATISTICS	180	167	13	124	56	22	158
LIFE SCIENCES	7,545	2,731	4,814	3,002	4,543	6,025	1,520
AGRICULTURAL SCIENCES	465	67	398	377	88	428	37
BIOLOGICAL SCIENCES	3,570	1,288	2,282	1,961	1,609	2,674	896
ANATOMY	0	0	0	0	0	0	0
BIOCHEMISTRY	85	37	48	55	30	36	49
BIOLOGY	2,884	1,072	1,812	1,695	1,189	2,220	664
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0
BOTANY	0	2	4	6	2	0	8
CELL BIOLOGY	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0
GENETICS	5	1	4	0	5	0	5
MICROBIOLOGY	179	55	124	96	83	114	65
NUTRITION	167	50	117	6	161	167	0
PATHOLOGY	0	0	0	0	0	0	0
PHARMACOLOGY	6	6	0	4	2	0	6
PHYSIOLOGY	1	0	1	1	0	0	1
ZOOLOGY	8	2	6	8	0	4	4
BIOSCIENCES, N.E.C.	227	63	164	90	137	133	94
HEALTH SCIENCES	3,510	1,376	2,134	664	2,846	2,923	587
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0
NURSING	1,000	492	508	42	958	738	262
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	10	9	1	8	2	0	10
PREVENTIVE MEDICINE/COMMUNITY HEALTH	96	46	50	24	72	96	0
PSYCHIATRY	0	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	979	337	642	84	895	834	145
SURGERY	0	0	0	0	0	0	0
VETERINARY SCIENCES	3	1	2	3	0	0	3
CLINICAL MEDICINE, N.E.C.	89	44	45	23	66	89	0
HEALTH RELATED, N.E.C.	1,333	447	886	480	853	1,186	167
PSYCHOLOGY	6,863	2,573	4,290	2,862	4,001	4,605	2,258
SOCIAL SCIENCES	11,135	3,823	7,312	6,599	4,536	7,233	3,902
AGRICULTURAL ECONOMICS	5	5	0	5	0	5	0
ANTHROPOLOGY	305	69	236	100	205	299	6
ECONOMICS (EXCEPT AGRICULTURAL)	608	219	389	437	171	412	196
GEOGRAPHY	292	84	208	204	88	287	5
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0
LINGUISTICS	270	125	145	95	175	260	10
POLITICAL SCIENCE	5,882	1,978	3,904	3,787	2,095	3,476	2,408
SOCIOLOGY	841	331	510	422	419	694	147
SOCIOLOGY/ANTHROPOLOGY	19	17	2	10	9	19	0
SOCIAL SCIENCES, N.E.C.	2,913	995	1,918	1,537	1,376	1,783	1,130

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-19. POSTDOCTORATES IN ALL GRADUATE INSTITUTIONS BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1979

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT				NON-FEDERAL	NUMBER OF FOREIGN POST-DOCTORATES
		TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH GRANTS		
TOTAL, ALL FIELDS	18,639	13,862	2,856	2,607	8,399	4,777	6,391
ENGINEERING	1,073	771	49	18	704	302	663
AERONAUTICAL	29	23	2	0	21	5	19
AGRICULTURAL	33	18	0	0	18	15	11
BIOMEDICAL	28	27	2	14	11	1	7
CHEMICAL	208	144	3	0	141	64	139
CIVIL	113	78	0	0	78	35	65
ELECTRICAL	135	93	2	0	91	42	72
ENGINEERING SCIENCE	80	75	14	2	59	5	46
INDUSTRIAL	8	4	0	0	4	4	6
MECHANICAL	128	96	3	1	92	32	74
METALLURGICAL/MATERIALS	223	151	23	1	127	69	174
MINING	7	6	0	0	6	1	6
NUCLEAR	20	6	0	0	6	14	16
PETROLEUM	6	6	0	0	6	0	4
ENGINEERING, N.E.C.	59	44	0	0	44	15	24
PHYSICAL SCIENCES	4,359	3,347	284	66	2,997	712	2,008
ASTRONOMY	117	89	3	0	86	28	33
CHEMISTRY	2,616	2,149	238	66	1,845	467	1,409
PHYSICS	1,324	1,109	43	0	1,066	215	566
PHYSICAL SCIENCES, N.E.C.	2	0	0	0	0	2	0
ENVIRONMENTAL SCIENCES	329	263	20	18	225	66	112
ATMOSPHERIC SCIENCES	46	44	1	0	43	2	26
GEOSCIENCES	235	163	11	1	151	42	72
OCEANOGRAPHY	55	41	8	8	25	14	13
ENVIRONMENTAL SCIENCES, N.E.C.	23	15	0	9	6	8	1
MATHEMATICAL SCIENCES	203	106	13	6	87	97	94
COMPUTER SCIENCE	38	26	4	1	21	12	13
MATHEMATICS AND APPLIED MATHEMATICS	142	69	4	3	62	73	71
STATISTICS	23	11	5	2	4	12	10
LIFE SCIENCES	12,105	8,850	2,351	2,317	4,182	3,255	3,079
AGRICULTURAL SCIENCES	239	137	4	8	125	102	83
BIOLOGICAL SCIENCES	6,734	5,393	1,301	977	3,115	1,341	1,872
ANATOMY	265	207	76	46	85	58	52
BIOCHEMISTRY	1,503	1,198	207	105	886	305	514
BIOLOGY	943	734	191	88	475	209	228
BIOMETRY/EPIDEMIOLOGY	38	29	17	9	3	9	11
BIOPHYSICS	139	118	23	12	83	21	30
BOTANY	137	89	6	3	80	48	44
CELL BIOLOGY	283	208	66	30	112	75	73
ECOLOGY	11	11	5	0	6	0	1
ENTOMOLOGY/PARASITOLOGY	104	78	2	6	70	26	20
GENETICS	222	196	48	57	91	26	65
MICROBIOLOGY	847	690	141	169	360	157	218
NUTRITION	170	130	16	28	86	40	43
PATHOLOGY	498	415	95	172	148	83	120
PHARMACOLOGY	582	479	129	118	232	103	185
PHYSIOLOGY	672	549	186	123	240	123	171
ZOOLOGY	175	140	35	12	93	35	44
BIOSCIENCES, N.E.C.	145	122	58	19	45	23	37
HEALTH SCIENCES	5,132	3,320	1,046	1,332	942	1,812	1,124
ANESTHESIOLOGY	58	25	7	15	3	33	13
CARDIOLOGY	295	164	49	83	32	131	61
CLINICAL PHARMACOLOGY	43	31	8	21	2	12	12
DENTISTRY	139	48	8	29	11	91	39
ENDOCRINOLOGY	142	95	46	34	15	47	23
GASTROENTEROLOGY	103	41	10	22	9	62	27
HEMATOLOGY	151	111	32	60	19	40	16
NEUROLOGY	270	189	84	49	56	81	69
NURSING	7	6	0	3	3	1	0
OBSTETRICS/GYNECOLOGY	164	76	21	33	22	88	65
OPHTHALMOLOGY	148	103	21	53	29	45	18
OTORHINOLARYNGOLOGY	42	28	9	9	10	14	9
PEDIATRICS	624	382	149	172	61	242	186
PHARMACEUTICAL SCIENCES	241	199	5	7	187	42	131
PREVENTIVE MEDICINE/COMMUNITY HEALTH	167	124	30	49	5	43	24
PSYCHIATRY	320	245	98	131	16	75	28
PULMONARY DISEASE	146	85	39	27	19	61	21
RADIOLOGY	113	77	9	43	25	36	35
SPEECH PATHOLOGY/AUDIOLOGY	26	24	7	3	14	2	1
SURGERY	301	195	45	65	85	106	96
VETERINARY SCIENCES	25	15	0	4	11	10	6
CLINICAL MEDICINE, N.E.C.	1,461	945	338	350	257	516	285
HEALTH RELATED, N.E.C.	146	112	31	30	51	34	39
PSYCHOLOGY	456	284	90	70	124	172	34
SOCIAL SCIENCES	414	241	49	112	80	173	101
AGRICULTURAL ECONOMICS	6	3	0	0	3	3	4
ANTHROPOLOGY	44	31	10	11	10	13	7
ECONOMICS (EXCEPT AGRICULTURAL)	98	35	1	6	28	63	48
GEOGRAPHY	6	3	2	0	1	3	3
HISTORY AND PHILOSOPHY OF SCIENCE	11	2	0	0	2	9	4
LINGUISTICS	39	13	4	1	8	26	20
POLITICAL SCIENCE	36	20	11	6	3	16	4
SOCIOLOGY	121	95	19	60	16	26	10
SOCIOLOGY/ANTHROPOLOGY	4	4	0	0	4	0	0
SOCIAL SCIENCES, N.E.C.	49	35	2	28	5	14	1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-19. POSTDOCTORATES IN PUBLIC GRADUATE INSTITUTIONS BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1979

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT				NON-FEDERAL	NUMBER OF FOREIGN POST-DOCTORATES
		TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH GRANTS		
TOTAL, ALL FIELDS	10,315	8,002	1,452	1,371	5,179	2,313	3,453
ENGINEERING	546	384	31	2	351	162	351
AERONAUTICAL	11	9	1	0	8	2	9
AGRICULTURAL	33	18	0	0	18	15	11
BIOMEDICAL	3	2	0	0	2	1	3
CHEMICAL	145	94	2	0	92	51	98
CIVIL	44	27	0	0	27	17	24
ELECTRICAL	50	36	0	0	36	14	33
ENGINEERING SCIENCE	30	28	3	0	25	2	22
INDUSTRIAL	6	4	0	0	4	2	4
MECHANICAL	56	38	2	1	35	18	35
METALLURGICAL/MATERIALS	102	82	23	1	58	20	81
MINING	6	5	0	0	5	1	5
NUCLEAR	16	3	0	0	3	13	14
PETROLEUM	5	5	0	0	5	0	4
ENGINEERING, N.E.C.	39	33	0	0	33	6	8
PHYSICAL SCIENCES	2,434	2,049	131	48	1,870	385	1,220
ASTRONOMY	67	55	1	0	54	12	24
CHEMISTRY	1,627	1,354	108	48	1,198	273	980
PHYSICS	738	640	22	0	618	98	316
PHYSICAL SCIENCES, N.E.C.	2	0	0	0	0	2	0
ENVIRONMENTAL SCIENCES	205	176	15	17	144	29	60
ATMOSPHERIC SCIENCES	27	26	1	0	25	1	13
GEOSCIENCES	117	96	6	0	90	21	37
OCEANOGRAPHY	46	41	8	8	25	5	10
ENVIRONMENTAL SCIENCES, N.E.C.	15	13	0	9	4	2	0
MATHEMATICAL SCIENCES	95	43	8	6	29	52	45
COMPUTER SCIENCE	20	15	3	1	11	5	7
MATHEMATICS AND APPLIED MATHEMATICS	56	20	2	3	15	36	29
STATISTICS	19	8	3	2	3	11	9
LIFE SCIENCES	6,590	5,017	1,190	1,190	2,637	1,573	1,712
AGRICULTURAL SCIENCES	228	131	4	7	120	97	82
BIOLOGICAL SCIENCES	3,869	3,128	698	507	1,923	741	1,365
ANATOMY	143	108	35	17	56	35	34
BIOCHEMISTRY	869	687	108	49	530	182	280
BIOLOGY	392	322	49	28	245	70	111
BIOMETRY/EPIDEMIOLOGY	23	19	13	3	3	4	6
BIOPHYSICS	56	42	5	6	31	14	9
BOTANY	123	80	6	3	71	43	41
CELL BIOLOGY	128	110	28	17	65	18	32
ECOLOGY	11	11	5	0	6	0	1
ENTOMOLOGY/PARASITOLOGY	93	72	2	2	68	21	24
GENETICS	123	107	27	32	48	16	27
MICROBIOLOGY	554	465	101	108	256	89	120
NUTRITION	83	65	6	8	51	18	30
PATHOLOGY	262	210	50	76	84	52	74
PHARMACOLOGY	324	270	83	53	134	94	102
PHYSIOLOGY	432	350	111	84	155	82	102
ZOOLOGY	154	124	31	7	86	30	43
BIOSCIENCES, N.E.C.	99	86	38	14	34	13	29
HEALTH SCIENCES	2,493	1,758	488	676	594	735	565
ANESTHESIOLOGY	26	17	7	8	2	9	7
CARDIOLOGY	160	114	34	56	24	46	33
CLINICAL PHARMACOLOGY	36	26	5	19	2	10	10
DENTISTRY	101	36	6	21	9	65	19
ENDOCRINOLOGY	72	41	26	11	4	31	14
GASTROENTEROLOGY	50	20	8	10	2	30	16
HEMATOLOGY	60	40	11	25	4	20	6
NEUROLOGY	114	87	34	19	34	27	17
NURSING	7	6	0	3	3	1	0
OBSTETRICS/GYNECOLOGY	91	50	9	27	14	41	36
OPHTHALMOLOGY	61	45	11	20	14	16	4
OTORHINOLARYNGOLOGY	30	28	9	9	10	2	1
PEDIATRICS	238	166	73	65	28	72	66
PHARMACEUTICAL SCIENCES	233	191	5	7	179	42	127
PREVENTIVE MEDICINE/COMMUNITY HEALTH	71	62	20	40	2	9	5
PSYCHIATRY	77	67	22	41	4	10	4
PULMONARY DISEASE	58	25	15	7	3	33	3
RADIOLOGY	44	35	1	29	5	9	11
SPEECH PATHOLOGY/AUDIOLOGY	19	18	4	0	14	1	1
SURGERY	133	112	21	44	47	21	40
VETERINARY SCIENCES	18	10	0	0	10	8	5
CLINICAL MEDICINE, N.E.C.	711	492	141	206	145	219	130
HEALTH RELATED, N.E.C.	83	70	26	9	35	13	30
PSYCHOLOGY	208	167	44	38	85	41	18
SOCIAL SCIENCES	237	166	33	70	63	71	47
AGRICULTURAL ECONOMICS	6	3	0	0	3	3	4
ANTHROPOLOGY	31	24	6	11	7	7	4
ECONOMICS (EXCEPT AGRICULTURAL)	40	27	1	0	26	13	20
GEOGRAPHY	5	3	2	0	1	2	2
HISTORY AND PHILOSOPHY OF SCIENCE	2	1	0	0	1	1	0
LINGUISTICS	18	5	2	0	3	13	7
POLITICAL SCIENCE	14	6	4	2	0	8	3
SOCIOLOGY	71	60	16	29	15	11	6
SOCIOLOGY/ANTHROPOLOGY	2	2	0	0	2	0	0
SOCIAL SCIENCES, N.E.C.	48	35	2	28	5	13	1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-20. POSTDOCTORATES IN PRIVATE GRADUATE INSTITUTIONS BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1979

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT					NUMBER OF FOREIGN POST-DOCTORATES
		FEDERAL				NON-FEDERAL	
		TOTAL	FELLOWSHIPS	TRAINEESHIPS	RESEARCH GRANTS		
TOTAL, ALL FIELDS	8,324	5,860	1,404	1,236	3,220	2,464	2,638
ENGINEERING	527	387	18	16	353	140	312
AERONAUTICAL	17	14	1	0	13	3	10
AGRICULTURAL	3	0	0	0	0	0	3
BIOCHEMICAL	25	25	2	14	9	0	4
CHEMICAL	63	50	1	0	49	13	41
CIVIL	69	51	0	0	51	18	41
ELECTRICAL	85	57	2	0	55	28	39
ENGINEERING SCIENCE	50	47	11	2	34	3	24
INDUSTRIAL	2	0	0	0	0	2	2
MECHANICAL	72	58	1	0	57	14	39
METALLURGICAL/MATERIALS	118	69	0	0	69	49	93
MINING	1	1	0	0	1	0	1
NUCLEAR	4	3	0	0	3	1	2
PETROLEUM	1	1	0	0	1	0	0
ENGINEERING, N.E.C.	23	11	0	0	11	9	16
PHYSICAL SCIENCES	1,625	1,298	153	18	1,127	327	788
ASTRONOMY	50	34	2	0	32	16	9
CHEMISTRY	989	795	130	18	647	194	529
PHYSICS	586	469	21	0	448	117	250
PHYSICAL SCIENCES, N.E.C.	3	0	0	0	0	0	3
ENVIRONMENTAL SCIENCES	124	87	5	1	81	37	52
ATMOSPHERIC SCIENCES	19	18	0	0	18	1	13
GEO SCIENCES	88	67	5	1	61	21	35
OCEANOGRAPHY	9	0	0	0	0	9	3
ENVIRONMENTAL SCIENCES, N.E.C.	8	2	0	0	2	6	1
MATHEMATICAL SCIENCES	108	63	5	0	58	45	49
COMPUTER SCIENCE	18	11	1	0	10	7	6
MATHEMATICS AND APPLIED MATHEMATICS	86	49	2	0	47	37	42
STATISTICS	4	3	2	0	1	1	1
LIFE SCIENCES	5,515	3,833	1,161	1,127	1,545	1,682	1,367
AGRICULTURAL SCIENCES	11	6	0	1	5	5	1
BIOLOGICAL SCIENCES	2,865	2,265	603	470	1,192	600	807
ANATOMY	122	99	41	29	29	23	18
BIOCHEMISTRY	634	511	99	56	356	123	234
BIOLOGY	551	412	142	40	230	139	117
BIOMETRY/EPIDEMIOLOGY	15	10	4	6	0	5	5
BIOPHYSICS	83	76	18	6	52	7	21
BOTANY	14	9	0	0	9	5	3
CELL BIOLOGY	155	90	38	13	47	57	41
ECOLOGY	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	11	6	0	4	2	5	4
GENETICS	99	89	21	25	43	10	38
MICROBIOLOGY	293	225	40	61	124	68	98
NUTRITION	87	65	10	20	35	22	13
PATHOLOGY	236	205	45	96	64	31	54
PHARMACOLOGY	258	209	46	65	98	49	83
PHYSIOLOGY	240	199	75	39	85	41	69
ZOOLOGY	21	16	4	5	7	5	1
BIO SCIENCES, N.E.C.	46	36	20	5	11	10	8
HEALTH SCIENCES	2,639	1,562	558	656	348	1,077	599
ANESTHESIOLOGY	32	8	0	7	1	24	6
CARDIOLOGY	135	50	15	27	8	85	28
CLINICAL PHARMACOLOGY	7	5	3	2	0	2	2
DENTISTRY	38	12	2	8	2	26	20
ENDOCRINOLOGY	70	54	20	23	11	16	9
GASTROENTEROLOGY	53	21	2	12	7	32	11
HEMATOLOGY	91	71	21	35	15	20	10
NEUROLOGY	156	162	50	30	22	54	52
NURSING	0	0	0	0	0	0	0
OBSTETRICS/GYNECOLOGY	73	26	12	6	8	47	29
OPHTHALMOLOGY	87	58	10	33	15	29	14
OTORHINOLARYNGOLOGY	12	0	0	0	0	12	8
PEDIATRICS	386	216	76	107	33	170	60
PHARMACEUTICAL SCIENCES	8	8	0	0	8	0	4
PREVENTIVE MEDICINE/COMMUNITY HEALTH	96	62	10	49	3	34	19
PSYCHIATRY	243	178	76	90	12	69	24
PULMONARY DISEASE	88	60	24	20	16	28	18
RADIOLOGY	69	42	8	14	20	27	24
SPEECH PATHOLOGY/AUDIOLOGY ..	7	6	3	3	0	1	0
SURGERY	168	83	24	21	38	85	56
VETERINARY SCIENCES	7	5	0	4	1	2	1
CLINICAL MEDICINE, N.E.C.	750	453	197	144	112	297	195
HEALTH RELATED, N.E.C.	63	42	5	21	16	21	9
PSYCHOLOGY	248	117	46	32	39	131	16
SOCIAL SCIENCES	177	75	16	42	17	102	54
AGRICULTURAL ECONOMICS	0	0	0	0	0	0	0
ANTHROPOLOGY	13	7	4	0	3	6	3
ECONOMICS (EXCEPT AGRICULTURAL)	58	8	0	6	2	50	28
GEOGRAPHY	1	0	0	0	0	1	1
HISTORY AND PHILOSOPHY OF SCIENCE	9	1	0	0	1	8	4
LINGUISTICS	21	8	2	1	5	13	13
POLITICAL SCIENCE	22	14	7	4	3	8	1
SOCIOLOGY	90	35	3	31	1	15	4
SOCIOLOGY/ANTHROPOLOGY	2	2	0	0	2	0	0
SOCIAL SCIENCES, N.E.C.	1	0	0	0	0	1	0

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE A-21. MALE POSTDOCTORATES IN ALL GRADUATE INSTITUTIONS BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1979

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT					NUMBER OF FOREIGN POST-DOCTORATES
		TOTAL	FEDERAL			NON-FEDERAL	
			FELLOWSHIPS	TRAINEESHIPS	RESEARCH GRANTS		
TOTAL, ALL FIELDS	15,250	11,362	2,284	2,011	7,067	3,888	5,466
ENGINEERING	1,324	735	43	14	678	289	639
AERONAUTICAL	28	23	2	0	21	5	19
AGRICULTURAL	32	17	0	0	17	15	11
BIOMEDICAL	22	21	1	10	10	1	5
CHEMICAL	195	134	3	0	131	61	135
CIVIL	109	75	0	0	75	34	64
ELECTRICAL	133	92	2	0	90	41	71
ENGINEERING SCIENCE	77	72	12	2	58	5	44
INDUSTRIAL	7	3	0	0	3	4	5
MECHANICAL	126	95	2	1	92	31	73
METALLURGICAL/MATERIALS	208	142	21	1	120	66	166
MINING	7	6	0	0	6	1	6
NUCLEAR	19	6	0	0	6	12	15
PETROLEUM	6	6	0	0	6	0	4
ENGINEERING, N.E.C.	56	43	0	0	43	13	21
PHYSICAL SCIENCES	3,673	3,025	264	59	2,702	648	1,877
ASTRONOMY	107	83	2	0	81	24	30
CHEMISTRY	2,312	1,888	222	59	1,607	424	1,303
PHYSICS	1,253	1,054	40	0	1,014	199	544
PHYSICAL SCIENCES, N.E.C.	1	0	0	0	0	1	0
ENVIRONMENTAL SCIENCES	293	239	20	14	205	54	106
ATMOSPHERIC SCIENCES	43	41	1	0	40	2	24
GEOSCIENCES	181	147	11	1	135	34	70
OCEANOGRAPHY	52	41	8	8	25	11	11
ENVIRONMENTAL SCIENCES, N.E.C.	17	10	0	5	5	7	1
MATHEMATICAL SCIENCES	181	99	12	6	81	82	86
COMPUTER SCIENCE	36	26	4	1	21	10	12
MATHEMATICS AND APPLIED MATHEMATICS	125	63	4	3	56	62	65
STATISTICS	20	10	4	2	4	10	9
LIFE SCIENCES	9,513	6,922	1,854	1,807	3,261	2,591	2,596
AGRICULTURAL SCIENCES	208	120	4	7	109	98	75
BIOLOGICAL SCIENCES	5,066	4,064	990	716	2,358	1,002	1,559
ANATOMY	193	150	54	37	59	43	42
BIOCHEMISTRY	1,167	940	160	82	698	227	442
BIOLOGY	682	534	137	49	348	148	179
BIOMETRY/EPIDEMIOLOGY	25	21	15	5	1	4	9
BIOPHYSICS	107	91	18	9	64	16	25
BOTANY	103	70	6	3	61	33	36
CELL BIOLOGY	215	163	54	20	89	52	52
ECOLOGY	10	10	4	0	6	0	1
ENTOMOLOGY/PARASITOLOGY	81	62	1	4	57	19	24
GENETICS	150	132	28	39	65	18	54
MICROBIOLOGY	600	487	109	114	264	113	174
NUTRITION	121	93	10	22	61	29	35
PATHOLOGY	389	317	77	129	111	72	168
PHARMACOLOGY	450	370	99	80	191	80	161
PHYSIOLOGY	542	438	148	99	191	104	147
ZOOLOGY	121	93	27	9	57	28	38
BIOSCIENCES, N.E.C.	110	93	43	15	35	17	32
HEALTH SCIENCES	4,239	2,738	860	1,084	794	1,501	962
ANESTHESIOLOGY	55	25	7	15	3	30	12
CARDIOLOGY	267	146	48	70	28	121	59
CLINICAL PHARMACOLOGY	40	29	7	20	2	11	11
DENTISTRY	114	37	5	22	10	77	31
ENDOCRINOLOGY	121	79	37	29	13	42	21
GASTROENTEROLOGY	84	36	9	19	8	48	16
HEMATOLOGY	129	94	31	50	13	35	13
NEUROLOGY	231	170	73	45	52	61	95
NURSING	3	3	0	0	3	0	0
OBSTETRICS/GYNECOLOGY	139	68	16	31	21	71	57
OPHTHALMOLOGY	119	82	16	44	22	37	13
OTORHINOLARYNGOLOGY	36	24	8	8	8	12	8
PEDIATRICS	462	298	112	134	52	164	82
PHARMACEUTICAL SCIENCES	208	170	5	7	158	38	114
PREVENTIVE MEDICINE/COMMUNITY HEALTH	132	96	25	67	4	36	20
PSYCHIATRY	219	169	68	89	12	50	19
PULMONARY DISEASE	135	77	38	21	18	58	20
RADIOLOGY	100	70	9	42	19	30	33
SPEECH PATHOLOGY/AUDIOLOGY ..	15	14	5	2	7	1	1
SURGERY	267	171	38	61	72	96	94
VETERINARY SCIENCES	16	8	0	2	6	8	4
CLINICAL MEDICINE, N.E.C.	1,241	790	280	286	224	451	250
HEALTH RELATED, N.E.C.	106	82	23	20	39	24	29
PSYCHOLOGY	298	196	60	50	86	182	21
SOCIAL SCIENCES	268	146	31	61	54	122	81
AGRICULTURAL ECONOMICS	6	3	0	0	3	3	4
ANTHROPOLOGY	26	17	6	7	4	9	4
ECONOMICS (EXCEPT AGRICULTURAL)	81	29	1	1	27	52	43
GEOGRAPHY	3	2	2	0	0	1	2
HISTORY AND PHILOSOPHY OF SCIENCE	8	1	0	0	1	7	3
LINGUISTICS	24	7	3	1	3	17	15
POLITICAL SCIENCE	23	14	9	4	1	9	3
SOCIOLOGY	73	57	9	37	11	16	6
SOCIOLOGY/ANTHROPOLOGY	2	2	0	0	2	0	0
SOCIAL SCIENCES, N.E.C.	22	14	1	11	2	8	1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-22. FEMALE POSTDOCTORATES IN ALL GRADUATE INSTITUTIONS BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1979

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT					NUMBER OF FOREIGN POST-DOCTORATES
		TOTAL	FELLOWSHIPS	TRAINEE SHIPS	RESEARCH GRANTS	NON-FEDERAL	
TOTAL, ALL FIELDS	3,389	2,500	572	596	1,332	889	685
ENGINEERING	49	36	6	4	26	13	24
AERONAUTICAL	0	0	0	0	0	0	0
AGRICULTURAL	1	1	0	0	1	0	0
BIO MEDICAL	6	6	1	4	1	0	2
CHEMICAL	13	10	0	0	10	3	4
CIVIL	4	3	0	0	3	1	1
ELECTRICAL	2	1	0	0	1	1	1
ENGINEERING SCIENCE	3	3	2	0	1	0	2
INDUSTRIAL	1	1	0	0	1	0	1
MECHANICAL	2	1	1	0	0	1	1
METALLURGICAL/MATERIALS	12	9	2	0	7	3	8
MINING	3	0	0	0	0	0	0
NUCLEAR	2	0	0	0	0	2	1
PETROLEUM	0	0	0	0	0	0	0
ENGINEERING, N.E.C.	3	1	0	0	1	2	3
PHYSICAL SCIENCES	386	322	20	7	295	64	131
ASTRONOMY	10	6	1	0	5	4	3
CHEMISTRY	304	261	16	7	238	43	106
PHYSICS	71	55	3	0	52	16	22
PHYSICAL SCIENCES, N.E.C.	1	0	0	0	0	1	0
ENVIRONMENTAL SCIENCES	36	24	0	4	20	12	6
ATMOSPHERIC SCIENCES	3	3	0	0	3	0	2
GEO SCIENCES	24	16	0	0	16	8	2
OCEANOGRAPHY	3	0	0	0	0	3	2
ENVIRONMENTAL SCIENCES, N.E.C.	6	5	0	4	1	1	0
MATHEMATICAL SCIENCES	22	7	1	0	6	15	8
COMPUTER SCIENCE	2	0	0	0	0	2	1
MATHEMATICS AND APPLIED MATHEMATICS	17	6	0	0	6	11	6
STATISTICS	3	1	1	0	0	2	1
LIFE SCIENCES	2,592	1,928	497	510	921	664	483
AGRICULTURAL SCIENCES	31	17	0	1	16	14	8
BIOLOGICAL SCIENCES	1,669	1,329	311	261	757	339	313
ANATOMY	72	57	22	9	26	15	10
BIOCHEMISTRY	336	258	47	23	188	78	72
BIOLOGY	261	200	54	19	127	61	49
BIO METRY/EPIDEMIOLOGY	13	8	2	4	2	5	2
BIOPHYSICS	32	27	5	3	19	5	5
BOTANY	34	19	0	0	19	15	8
CELL BIOLOGY	68	45	12	10	23	23	21
ECOLOGICAL	1	1	1	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	23	16	1	2	13	7	4
GENETICS	72	64	20	18	26	8	11
MICROBIOLOGY	247	203	32	55	116	44	44
NUTRITION	49	37	6	6	25	12	8
PATHOLOGY	109	98	18	43	37	11	20
PHARMACOLOGY	132	109	30	38	41	23	24
PHYSIOLOGY	130	111	38	24	49	19	24
ZOOLOGY	54	47	8	3	36	7	6
BIO SCIENCES, N.E.C.	35	29	15	4	10	6	5
HEALTH SCIENCES	893	582	186	248	148	311	162
ANESTHESIOLOGY	3	0	0	0	0	3	1
CARDIOLOGY	28	18	1	13	4	10	2
CLINICAL PHARMACOLOGY	3	2	1	1	0	1	1
DENTISTRY	25	11	3	7	1	14	8
ENDOCRINOLOGY	21	16	9	5	2	5	2
GASTROENTEROLOGY	19	5	1	3	1	14	11
HEMATOLOGY	22	17	1	10	6	5	3
NEUROLOGY	39	19	11	4	4	20	14
NURSING	4	3	0	3	0	1	0
OBSTETRICS/GYNECOLOGY	25	8	5	2	1	17	8
OPHTHALMOLOGY	29	21	5	9	7	8	5
OTORHINOLARYNGOLOGY	6	4	1	1	2	2	1
PEDIATRICS	162	84	37	38	9	78	24
PHARMACEUTICAL SCIENCES	33	29	0	0	29	4	17
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	35	28	5	22	1	7	4
PSYCHIATRY	101	76	30	42	4	25	9
PULMONARY DISEASE	11	8	1	6	1	3	1
RADIOLOGY	13	7	0	1	6	6	2
SPEECH PATHOLOGY/AUDIOLOGY ..	11	10	2	1	7	1	0
SURGERY	34	24	7	4	13	10	2
VETERINARY SCIENCES	9	7	0	2	5	2	2
CLINICAL MEDICINE, N.E.C.	220	155	58	64	33	65	35
HEALTH RELATED, N.E.C.	40	30	8	10	12	10	10
PSYCHOLOGY	158	88	30	20	38	70	13
SOCIAL SCIENCES	146	95	18	51	26	51	20
AGRICULTURAL ECONOMICS	0	0	0	0	0	0	0
ANTHROPOLOGY	18	14	4	4	6	4	3
ECONOMICS (EXCEPT AGRICULTURAL)	17	6	1	5	1	11	5
GEOGRAPHY	3	1	0	0	1	2	1
HISTORY AND PHILOSOPHY OF SCIENCE	3	1	0	0	1	2	1
LINGUISTICS	15	6	1	0	5	9	5
POLITICAL SCIENCE	13	6	2	2	2	7	1
SOCIOLOGY	48	38	10	23	5	18	4
SOCIOLOGY/ANTHROPOLOGY	2	2	0	0	2	0	0
SOCIAL SCIENCES, N.E.C.	27	21	1	17	3	6	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-23. POSTDOCTORATES AND OTHER NONFACULTY DOCTORAL RESEARCH STAFF IN ALL GRADUATE INSTITUTIONS
BY FIELD OF SCIENCE AND HIGHEST DEGREE GRANTED: 1979

FIELD OF SCIENCE	POSTDOCTORATES			OTHER NON-FACULTY DOCTORAL RESEARCH STAFF		
	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING
TOTAL, ALL FIELDS	18,639	18,589	50	2,697	2,689	8
ENGINEERING	1,073	1,073	0	265	265	0
AERONAUTICAL	28	28	0	18	18	0
AGRICULTURAL	33	33	0	9	9	0
BIOMEDICAL	28	28	0	6	6	0
CHEMICAL	208	208	0	37	37	0
CIVIL	113	113	0	24	24	0
ELECTRICAL	135	135	0	65	65	0
ENGINEERING SCIENCE	80	80	0	37	37	0
INDUSTRIAL	8	8	0	4	4	0
MECHANICAL	128	128	0	37	37	0
METALLURGICAL/MATERIALS	223	223	0	13	13	0
MINING	7	7	0	9	9	0
NUCLEAR	20	20	0	5	5	0
PETROLEUM	6	6	0	1	1	0
ENGINEERING, N.E.C.	59	59	0	0	0	0
PHYSICAL SCIENCES	4,059	4,028	31	469	468	1
ASTRONOMY	117	117	0	52	52	0
CHEMISTRY	2,616	2,599	17	221	220	1
PHYSICS	1,324	1,310	14	196	196	0
PHYSICAL SCIENCES, N.E.C.	2	2	0	0	0	0
ENVIRONMENTAL SCIENCES	329	329	0	105	105	0
ATMOSPHERIC SCIENCES	46	46	0	31	31	0
GEOSCIENCES	205	205	0	50	50	0
OCEANOGRAPHY	55	55	0	20	20	0
ENVIRONMENTAL SCIENCES, N.E.C.	23	23	0	4	4	0
MATHEMATICAL SCIENCES	203	203	0	108	108	0
COMPUTER SCIENCE	38	38	0	44	44	0
MATHEMATICS AND APPLIED MATHEMATICS	142	142	0	59	59	0
STATISTICS	23	23	0	5	5	0
LIFE SCIENCES	12,105	12,089	16	1,506	1,501	5
AGRICULTURAL SCIENCES	239	239	0	57	57	0
BIOLOGICAL SCIENCES	6,734	6,719	15	952	948	4
ANATOMY	265	265	0	21	21	0
BIOCHEMISTRY	1,503	1,503	0	195	195	0
BIOLOGY	943	928	15	151	147	4
BIOMETRY/EPIDEMIOLOGY	38	38	0	13	13	0
BIOPHYSICS	139	139	0	35	35	0
BOTANY	137	137	0	12	12	0
CELL BIOLOGY	203	203	0	24	24	0
ECOLOGY	11	11	0	7	7	0
ENTOMOLOGY/PARASITOLOGY	104	104	0	26	26	0
GENETICS	222	222	0	19	19	0
MICROBIOLOGY	847	847	0	55	55	0
NUTRITION	170	170	0	60	60	0
PATHOLOGY	498	498	0	77	77	0
PHARMACOLOGY	582	582	0	114	114	0
PHYSIOLOGY	672	672	0	97	97	0
ZOOLOGY	175	175	0	23	23	0
BIOLOGICAL SCIENCES, N.E.C.	145	145	0	23	23	0
HEALTH SCIENCES	5,132	5,131	1	497	496	1
ANESTHESIOLOGY	58	58	0	15	15	0
CARDIOLOGY	295	295	0	26	26	0
CLINICAL PHARMACOLOGY	43	43	0	2	2	0
DENTISTRY	139	139	0	2	2	0
ENDOCRINOLOGY	142	142	0	7	7	0
GASTROENTEROLOGY	103	103	0	7	7	0
HEMATOLOGY	151	151	0	5	5	0
NEUROLOGY	270	270	0	17	17	0
NURSING	7	7	0	2	2	0
OBSTETRICS/GYNECOLOGY	164	164	0	9	9	0
OPHTHALMOLOGY	148	148	0	12	12	0
OTORHINOLARYNGOLOGY	42	42	0	11	11	0
PEDIATRICS	624	624	0	9	9	0
PHARMACEUTICAL SCIENCES	241	241	0	34	34	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	167	167	0	9	8	1
PSYCHIATRY	320	320	0	107	107	0
PULMONARY DISEASE	146	146	0	7	7	0
RADIOLOGY	113	113	0	20	20	0
SPEECH PATHOLOGY/AUDIOLOGY	26	26	0	1	1	0
SURGERY	301	301	0	31	31	0
VETERINARY SCIENCES	25	25	0	23	23	0
CLINICAL MEDICINE, N.E.C.	1,461	1,461	0	128	128	0
HEALTH RELATED, N.E.C.	146	145	1	13	13	0
PSYCHOLOGY	456	456	0	63	63	0
SOCIAL SCIENCES	414	411	3	181	179	2
AGRICULTURAL ECONOMICS	6	6	0	8	8	0
ANTHROPOLOGY	44	41	3	21	19	2
ECONOMICS (EXCEPT AGRICULTURAL)	98	98	0	60	60	0
GEOGRAPHY	6	6	0	1	1	0
HISTORY AND PHILOSOPHY OF SCIENCE	11	11	0	1	1	0
LINGUISTICS	39	39	0	6	6	0
POLITICAL SCIENCE	36	36	0	29	29	0
SOCIOLOGY	121	121	0	50	50	0
SOCIOLOGY/ANTHROPOLOGY	4	4	0	1	1	0
SOCIAL SCIENCES, N.E.C.	49	49	0	4	4	0

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE A-24. POSTDOCTORATES AND OTHER NONFACULTY DOCTORAL RESEARCH STAFF IN PUBLIC GRADUATE INSTITUTIONS
BY FIELD OF SCIENCE AND HIGHEST DEGREE GRANTED: 1979

FIELD OF SCIENCE	POSTDOCTORATES			OTHER NON-FACULTY DOCTORAL RESEARCH STAFF		
	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING
TOTAL, ALL FIELDS	10,315	10,268	47	1,595	1,587	8
ENGINEERING	546	546	0	130	130	0
AERONAUTICAL	11	11	0	2	2	0
AGRICULTURAL	33	33	0	3	3	0
BIOMEDICAL	3	3	0	0	0	0
CHEMICAL	145	145	0	32	32	0
CIVIL	44	44	0	15	15	0
ELECTRICAL	50	50	0	39	39	0
ENGINEERING SCIENCE	30	30	0	11	11	0
INDUSTRIAL	6	6	0	3	3	0
MECHANICAL	56	56	0	15	15	0
METALLURGICAL/MATERIALS	102	102	0	9	9	0
MINING	6	6	0	0	0	0
NUCLEAR	16	16	0	1	1	0
PETROLEUM	5	5	0	0	0	0
ENGINEERING, N.E.C.	39	39	0	0	0	0
PHYSICAL SCIENCES	2,434	2,405	29	259	258	1
ASTRONOMY	67	67	0	12	12	0
CHEMISTRY	1,627	1,611	16	134	133	1
PHYSICS	738	725	13	113	113	0
PHYSICAL SCIENCES, N.E.C.	2	2	0	0	0	0
ENVIRONMENTAL SCIENCES	205	205	0	63	63	0
ATMOSPHERIC SCIENCES	27	27	0	31	31	0
GEOSCIENCES	117	117	0	19	19	0
OCEANOGRAPHY	46	46	0	13	13	0
ENVIRONMENTAL SCIENCES, N.E.C.	15	15	0	0	0	0
MATHEMATICAL SCIENCES	95	95	0	41	41	0
COMPUTER SCIENCE	20	20	0	2	2	0
MATHEMATICS AND APPLIED MATHEMATICS	56	56	0	35	35	0
STATISTICS	19	19	0	4	4	0
LIFE SCIENCES	6,590	6,575	15	982	977	5
AGRICULTURAL SCIENCES	228	228	0	52	52	0
BIOLOGICAL SCIENCES	3,869	3,855	14	598	594	4
ANATOMY	143	143	0	9	9	0
BIOCHEMISTRY	869	869	0	114	114	0
BIOLOGY	392	378	14	99	95	4
BIOMETRY/EPIDEMIOLOGY	23	23	0	9	9	0
BIOPHYSICS	56	56	0	15	15	0
BOTANY	123	123	0	12	12	0
CELL BIOLOGY	128	128	0	22	22	0
ECOLOGY	11	11	0	4	4	0
ENTOMOLOGY/PARASITOLOGY	93	93	0	26	26	0
GENETICS	123	123	0	12	12	0
MICROBIOLOGY	554	554	0	34	34	0
NUTRITION	83	83	0	10	10	0
PATHOLOGY	262	262	0	56	56	0
PHARMACOLOGY	324	324	0	61	61	0
PHYSIOLOGY	432	432	0	77	77	0
ZOOLOGY	154	154	0	23	23	0
BIOSCIENCES, N.E.C.	99	99	0	15	15	0
HEALTH SCIENCES	2,493	2,492	1	332	331	1
ANESTHESIOLOGY	26	26	0	4	4	0
CARDIOLOGY	160	160	0	25	25	0
CLINICAL PHARMACOLOGY	36	36	0	2	2	0
DENTISTRY	101	101	0	2	2	0
ENDOCRINOLOGY	72	72	0	0	0	0
GASTROENTEROLOGY	50	50	0	5	5	0
HEMATOLOGY	60	60	0	0	0	0
NEUROLOGY	114	114	0	14	14	0
NURSING	7	7	0	2	2	0
OBSTETRICS/GYNECOLOGY	91	91	0	5	5	0
OPHTHALMOLOGY	61	61	0	2	2	0
OTORHINOLARYNGOLOGY	30	30	0	11	11	0
PEDIATRICS	238	238	0	4	4	0
PHARMACEUTICAL SCIENCES	233	233	0	34	34	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	71	71	0	9	8	1
PSYCHIATRY	77	77	0	80	80	0
PULMONARY DISEASE	58	58	0	1	1	0
RADIOLOGY	44	44	0	2	2	0
SPEECH PATHOLOGY/AUDIOLOGY	19	19	0	1	1	0
SURGERY	133	133	0	12	12	0
VETERINARY SCIENCES	18	18	0	23	23	0
CLINICAL MEDICINE, N.E.C.	711	711	0	94	94	0
HEALTH RELATED, N.E.C.	83	82	1	0	0	0
PSYCHOLOGY	208	208	0	23	23	0
SOCIAL SCIENCES	237	234	3	97	95	2
AGRICULTURAL ECONOMICS	6	6	0	8	8	0
ANTHROPOLOGY	31	28	3	17	15	2
ECONOMICS (EXCEPT AGRICULTURAL)	40	40	0	26	26	0
GEOGRAPHY	5	5	0	1	1	0
HISTORY AND PHILOSOPHY OF SCIENCE	2	2	0	0	0	0
LINGUISTICS	18	18	0	5	5	0
POLITICAL SCIENCE	14	14	0	4	4	0
SOCIOLOGY	71	71	0	35	35	0
SOCIOLOGY/ANTHROPOLOGY	2	2	0	1	1	0
SOCIAL SCIENCES, N.E.C.	48	48	0	0	0	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-25. POSTDOCTORATES AND OTHER NONFACULTY DOCTORAL RESEARCH STAFF IN PRIVATE GRADUATE INSTITUTIONS
BY FIELD OF SCIENCE AND HIGHEST DEGREE GRANTED: 1979

FIELD OF SCIENCE	POSTDOCTORATES			OTHER NON-FACULTY DOCTORAL RESEARCH STAFF		
	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING
TOTAL, ALL FIELDS	8,324	8,321	3	1,102	1,102	0
ENGINEERING	527	527	0	135	135	0
AERONAUTICAL	17	17	0	16	16	0
AGRICULTURAL	0	0	0	6	6	0
BIOMEDICAL	25	25	0	6	6	0
CHEMICAL	63	63	0	5	5	0
CIVIL	69	69	0	9	9	0
ELECTRICAL	85	85	0	26	26	0
ENGINEERING SCIENCE	50	50	0	26	26	0
INDUSTRIAL	2	2	0	1	1	0
MECHANICAL	72	72	0	22	22	0
METALLURGICAL/MATERIALS	118	118	0	4	4	0
MINING	1	1	0	9	9	0
NUCLEAR	4	4	0	4	4	0
PETROLEUM	1	1	0	1	1	0
ENGINEERING, N.E.C.	20	20	0	0	0	0
PHYSICAL SCIENCES	1,625	1,623	2	210	210	0
ASTRONOMY	50	50	0	40	40	0
CHEMISTRY	989	988	1	87	87	0
PHYSICS	586	585	1	93	83	0
PHYSICAL SCIENCES, N.E.C.	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	124	124	0	42	42	0
ATMOSPHERIC SCIENCES	19	19	0	0	0	0
GEOSCIENCES	88	88	0	31	31	0
OCEANOGRAPHY	9	9	0	7	7	0
ENVIRONMENTAL SCIENCES, N.E.C.	8	8	0	4	4	0
MATHEMATICAL SCIENCES	108	108	0	67	67	0
COMPUTER SCIENCE	18	18	0	42	42	0
MATHEMATICS AND APPLIED MATHEMATICS	86	86	0	24	24	0
STATISTICS	4	4	0	1	1	0
LIFE SCIENCES	5,515	5,514	1	524	524	0
AGRICULTURAL SCIENCES	11	11	0	5	5	0
BIOLOGICAL SCIENCES	2,865	2,864	1	354	354	0
ANATOMY	122	122	0	12	12	0
BIOCHEMISTRY	634	634	0	81	81	0
BIOLOGY	551	550	1	52	52	0
BIOMETRY/EPIDEMIOLOGY	15	15	0	4	4	0
BIOPHYSICS	83	83	0	20	20	0
BOTANY	14	14	0	0	0	0
CELL BIOLOGY	155	155	0	2	2	0
ECOLOGY	0	0	0	3	3	0
ENTOMOLOGY/PARASITOLOGY	11	11	0	0	0	0
GENETICS	99	99	0	7	7	0
MICROBIOLOGY	293	293	0	21	21	0
NUTRITION	87	87	0	50	50	0
PATHOLOGY	236	236	0	21	21	0
PHARMACOLOGY	258	258	0	53	53	0
PHYSIOLOGY	240	240	0	20	20	0
ZOOLOGY	21	21	0	0	0	0
BIOSCIENCES, N.E.C.	46	46	0	8	8	0
HEALTH SCIENCES	2,639	2,639	0	165	165	0
ANESTHESIOLOGY	32	32	0	11	11	0
CARDIOLOGY	135	135	0	1	1	0
CLINICAL PHARMACOLOGY	7	7	0	0	0	0
DENTISTRY	38	38	0	0	0	0
ENDOCRINOLOGY	70	70	0	7	7	0
GASTROENTEROLOGY	53	53	0	2	2	0
HEMATOLOGY	91	91	0	5	5	0
NEUROLOGY	156	156	0	3	3	0
NURSING	0	0	0	0	0	0
OBSTETRICS/GYNECOLOGY	73	73	0	4	4	0
OPHTHALMOLOGY	87	87	0	10	10	0
OTORHINOLARYNGOLOGY	12	12	0	0	0	0
PEDIATRICS	386	386	0	5	5	0
PHARMACEUTICAL SCIENCES	8	8	0	0	0	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	96	96	0	0	0	0
PSYCHIATRY	243	243	0	27	27	0
PULMONARY DISEASE	88	88	0	6	6	0
RADIOLOGY	69	69	0	18	18	0
SPEECH PATHOLOGY/AUDIOLOGY	7	7	0	0	0	0
SURGERY	168	168	0	19	19	0
VETERINARY SCIENCES	7	7	0	0	0	0
CLINICAL MEDICINE, N.E.C.	750	750	0	34	34	0
HEALTH RELATED, N.E.C.	63	63	0	13	13	0
PSYCHOLOGY	248	248	0	40	40	0
SOCIAL SCIENCES	177	177	0	84	84	0
AGRICULTURAL ECONOMICS	0	0	0	0	0	0
ANTHROPOLOGY	13	13	0	4	4	0
ECONOMICS (EXCEPT AGRICULTURAL)	58	58	0	34	34	0
GEOGRAPHY	1	1	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	9	9	0	1	1	0
LINGUISTICS	21	21	0	1	1	0
POLITICAL SCIENCE	22	22	0	25	25	0
SOCIOLOGY	50	50	0	15	15	0
SOCIOLOGY/ANTHROPOLOGY	2	2	0	0	0	0
SOCIAL SCIENCES, N.E.C.	1	1	0	4	4	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-26. MALE POSTDOCTORATES AND OTHER NONFACULTY DOCTORAL RESEARCH STAFF IN ALL GRADUATE INSTITUTIONS
BY FIELD OF SCIENCE AND HIGHEST DEGREE GRANTED: 1979

FIELD OF SCIENCE	POSTDOCTORATES			OTHER NON-FACULTY DOCTORAL RESEARCH STAFF		
	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING
TOTAL, ALL FIELDS	15,253	15,210	40	2,080	2,073	7
ENGINEERING	1,024	1,024	0	253	253	0
AERONAUTICAL	28	28	0	17	17	0
AGRICULTURAL	32	32	0	9	9	0
BIOMEDICAL	22	22	0	6	6	0
CHEMICAL	109	109	0	35	35	0
CIVIL	133	133	0	22	22	0
ELECTRICAL	77	77	0	65	65	0
ENGINEERING SCIENCE	7	7	0	34	34	0
INDUSTRIAL	126	126	0	4	4	0
MECHANICAL	208	208	0	36	36	0
METALLURGICAL/MATERIALS	7	7	0	11	11	0
MINING	18	18	0	8	8	0
NUCLEAR	6	6	0	5	5	0
PETROLEUM	56	56	0	1	1	0
ENGINEERING, N.E.C.				0	0	0
PHYSICAL SCIENCES	3,673	3,645	28	414	414	0
ASTRONOMY	107	107	0	50	50	0
CHEMISTRY	2,312	2,298	14	178	178	0
PHYSICS	1,253	1,239	14	186	186	0
PHYSICAL SCIENCES, N.E.C.	1	1	0	0	0	0
ENVIRONMENTAL SCIENCES	293	293	0	98	98	0
ATMOSPHERIC SCIENCES	43	43	0	29	29	0
GEOSCIENCES	181	181	0	18	18	0
OCEANOGRAPHY	52	52	0	17	17	0
ENVIRONMENTAL SCIENCES, N.E.C.	17	17	0	4	4	0
MATHEMATICAL SCIENCES	181	181	0	97	97	0
COMPUTER SCIENCE	36	36	0	42	42	0
MATHEMATICS AND APPLIED MATHEMATICS	125	125	0	51	51	0
STATISTICS	20	20	0	4	4	0
LIFE SCIENCES	9,513	9,502	11	1,054	1,049	5
AGRICULTURAL SCIENCES	209	208	0	52	52	0
BIOLOGICAL SCIENCES	5,066	5,056	10	639	635	4
ANATOMY	193	193	0	11	11	0
BIOCHEMISTRY	1,167	1,167	0	124	124	0
BIOLOGY	682	672	10	82	78	4
BIOMETRY/EPIDEMIOLOGY	25	25	0	9	9	0
BIOPHYSICS	107	107	0	24	24	0
BOTANY	103	103	0	5	5	0
CELL BIOLOGY	215	215	0	18	18	0
ECOLOG	10	10	0	6	6	0
ENTOMOLOGY/PARASITOLOGY	81	81	0	24	24	0
GENETICS	150	150	0	17	17	0
MICROBIOLOGY	600	600	0	34	34	0
NUTRITION	121	121	0	39	39	0
PATHOLOGY	389	389	0	60	60	0
PHARMACOLOGY	450	450	0	85	85	0
PHYSIOLOGY	542	542	0	68	68	0
ZOOLOGY	121	121	0	12	12	0
BIOSCIENCES, N.E.C.	110	110	0	17	17	0
HEALTH SCIENCES	4,239	4,238	1	363	362	1
ANESTHESIOLOGY	95	95	0	15	15	0
CARDIOLOGY	267	267	0	13	13	0
CLINICAL PHARMACOLOGY	40	40	0	1	1	0
DENTISTRY	114	114	0	2	2	0
ENDOCRINOLOGY	121	121	0	2	2	0
GASTROENTEROLOGY	84	84	0	6	6	0
HEMATOLOGY	129	129	0	1	1	0
NEUROLOGY	231	231	0	12	12	0
NURSING	3	3	0	1	1	0
OBSTETRICS/GYNECOLOGY	139	139	0	8	8	0
OPHTHALMOLOGY	119	119	0	11	11	0
OTORHINOLARYNGOLOGY	36	36	0	10	10	0
PEDIATRICS	462	462	0	5	5	0
PHARMACEUTICAL SCIENCES	208	208	0	31	31	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	132	132	0	6	5	1
PSYCHIATRY	219	219	0	72	72	0
PULMONARY DISEASE	135	135	0	7	7	0
RADIOLOGY	100	100	0	13	13	0
SPEECH PATHOLOGY/AUDIOLOGY	15	15	0	1	1	0
SURGERY	267	267	0	27	27	0
VETERINARY SCIENCES	16	16	0	16	16	0
CLINICAL MEDICINE, N.E.C.	1,241	1,241	0	95	95	0
HEALTH RELATED, N.E.C.	106	105	1	8	8	0
PSYCHOLOGY	298	298	0	30	30	0
SOCIAL SCIENCES	268	267	1	134	132	2
AGRICULTURAL ECONOMICS	6	6	0	8	8	0
ANTHROPOLOGY	26	25	1	13	11	2
ECONOMICS (EXCEPT AGRICULTURAL)	81	81	0	50	50	0
GEOGRAPHY	3	3	0	1	1	0
HISTORY AND PHILOSOPHY OF SCIENCE	8	8	0	1	1	0
LINGUISTICS	24	24	0	4	4	0
POLITICAL SCIENCE	23	23	0	27	27	0
SOCIOLOGY	73	73	0	26	26	0
SOCIOLOGY/ANTHROPOLOGY	2	2	0	1	1	0
SOCIAL SCIENCES, N.E.C.	22	22	0	3	3	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-27. FEMALE POSTDOCTORATES AND OTHER NONFACULTY DOCTORAL RESEARCH STAFF IN ALL GRADUATE INSTITUTIONS
BY FIELD OF SCIENCE AND HIGHEST DEGREE GRANTED: 1979

FIELD OF SCIENCE	POSTDOCTORATES			OTHER NON-FACULTY DOCTORAL RESEARCH STAFF		
	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING	ALL INSTITUTIONS	DOCTORATE-GRANTING	MASTER'S-GRANTING
TOTAL, ALL FIELDS	3,389	3,379	10	617	616	1
ENGINEERING	49	49	0	12	12	0
AERONAUTICAL	0	0	0	1	1	0
AGRICULTURAL	1	1	0	0	0	0
BIOMEDICAL	6	6	0	2	2	0
CHEMICAL	13	13	0	2	2	0
CIVIL	4	4	0	0	0	0
ELECTRICAL	2	2	0	3	3	0
ENGINEERING SCIENCE	3	3	0	0	0	0
INDUSTRIAL	1	1	0	0	0	0
MECHANICAL	2	2	0	1	1	0
METALLURGICAL/MATERIALS	12	12	0	2	2	0
MINING	0	0	0	1	1	0
NUCLEAR	2	2	0	0	0	0
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	3	3	0	0	0	0
PHYSICAL SCIENCES	386	383	3	55	54	1
ASTRONOMY	10	10	0	2	2	0
CHEMISTRY	304	301	3	43	42	1
PHYSICS	71	71	0	10	10	0
PHYSICAL SCIENCES, N.E.C.	1	1	0	0	0	0
ENVIRONMENTAL SCIENCES	36	36	0	7	7	0
ATMOSPHERIC SCIENCES	3	3	0	2	2	0
GEOSCIENCES	24	24	0	2	2	0
OCEANOGRAPHY	3	3	0	3	3	0
ENVIRONMENTAL SCIENCES, N.E.C.	6	6	0	0	0	0
MATHEMATICAL SCIENCES	22	22	0	11	11	0
COMPUTER SCIENCE	2	2	0	2	2	0
MATHEMATICS AND APPLIED MATHEMATICS	17	17	0	8	8	0
STATISTICS	3	3	0	1	1	0
LIFE SCIENCES	2,592	2,587	5	452	452	0
AGRICULTURAL SCIENCES	31	31	0	5	5	0
BIOLOGICAL SCIENCES	1,668	1,663	5	313	313	0
ANATOMY	72	72	0	10	10	0
BIOCHEMISTRY	336	336	0	71	71	0
BIOLOGY	261	256	5	69	69	0
BIOMETRY/EPIDEMIOLOGY	13	13	0	4	4	0
BIOPHYSICS	32	32	0	11	11	0
BOTANY	34	34	0	3	3	0
CELL BIOLOGY	68	68	0	6	6	0
ECOLOG	1	1	0	1	1	0
ENTOMOLOGY/PARASITOLOGY	23	23	0	2	2	0
GENETICS	72	72	0	2	2	0
MICROBIOLOGY	247	247	0	21	21	0
NUTRITION	49	49	0	21	21	0
PATHOLOGY	109	109	0	17	17	0
PHARMACOLOGY	132	132	0	29	29	0
PHYSIOLOGY	130	130	0	29	29	0
ZOOLOGY	54	54	0	11	11	0
BIOSCIENCES, N.E.C.	35	35	0	6	6	0
HEALTH SCIENCES	893	893	0	134	134	0
ANESTHESIOLOGY	3	3	0	0	0	0
CARDIOLOGY	28	28	0	13	13	0
CLINICAL PHARMACOLOGY	5	5	0	1	1	0
DENTISTRY	25	25	0	0	0	0
ENDOCRINOLOGY	21	21	0	5	5	0
GASTROENTEROLOGY	19	19	0	1	1	0
HEMATOLOGY	22	22	0	4	4	0
NEUROLOGY	39	39	0	5	5	0
NURSING	4	4	0	1	1	0
OBSTETRICS/GYNECOLOGY	25	25	0	1	1	0
OPHTHALMOLOGY	29	29	0	1	1	0
OTORHINOLARYNGOLOGY	6	6	0	1	1	0
PEDIATRICS	162	162	0	4	4	0
PHARMACEUTICAL SCIENCES	33	33	0	3	3	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	35	35	0	3	3	0
PSYCHIATRY	101	101	0	35	35	0
PULMONARY DISEASE	11	11	0	0	0	0
RADIOLOGY	13	13	0	7	7	0
SPEECH PATHOLOGY/AUDIOLOGY	11	11	0	0	0	0
SURGERY	34	34	0	4	4	0
VETERINARY SCIENCES	9	9	0	7	7	0
CLINICAL MEDICINE, N.E.C.	220	220	0	33	33	0
HEALTH RELATED, N.E.C.	40	40	0	5	5	0
PSYCHOLOGY	158	158	0	33	33	0
SOCIAL SCIENCES	146	144	2	47	47	0
AGRICULTURAL ECONOMICS	0	0	0	0	0	0
ANTHROPOLOGY	18	16	2	8	8	0
ECONOMICS (EXCEPT AGRICULTURAL)	17	17	0	10	10	0
GEOGRAPHY	3	3	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	3	3	0	0	0	0
LINGUISTICS	15	15	0	2	2	0
POLITICAL SCIENCE	13	13	0	2	2	0
SOCIOLOGY	48	48	0	24	24	0
SOCIOLOGY/ANTHROPOLOGY	2	2	0	0	0	0
SOCIAL SCIENCES, N.E.C.	27	27	0	1	1	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-1. GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	267,012	295,608	300,387	309,580	310,380	321,770	3.8	1.9	3.7
ENGINEERING	57,150	65,129	64,649	66,179	65,569	68,637	3.7	1.8	4.7
AERONAUTICAL	1,677	1,654	1,421	1,472	1,437	1,456	-2.8	-0.5	1.3
AGRICULTURAL	585	676	775	808	857	858	8.0	3.0	0.1
BIOMEDICAL	781	877	890	839	890	959	4.2	6.9	7.8
CHEMICAL	4,710	5,035	5,153	5,279	5,380	5,649	3.7	3.4	5.0
CIVIL	9,971	11,196	10,438	10,652	10,688	10,867	1.7	1.0	1.7
ELECTRICAL	15,387	15,662	15,255	16,394	16,381	17,084	2.1	2.1	4.3
ENGINEERING SCIENCE	2,311	2,408	2,423	2,200	2,102	2,086	-2.0	-2.6	-0.8
INDUSTRIAL	6,950	11,830	11,926	11,480	10,677	11,449	10.5	-0.1	7.2
MECHANICAL	7,511	7,569	7,427	7,770	7,801	8,175	1.7	2.6	4.8
METALLURGICAL/MATERIALS	2,295	2,437	2,445	2,540	2,536	2,718	3.4	3.4	7.2
MINING	330	416	520	571	539	473	7.5	-9.0	-12.2
NUCLEAR	1,491	1,637	1,611	1,496	1,447	1,369	-1.7	-4.3	-5.4
PETROLEUM	305	332	404	419	476	472	9.1	6.1	-0.8
ENGINEERING, N.E.C.	2,846	3,400	3,961	4,259	4,358	5,022	12.0	8.6	15.2
PHYSICAL SCIENCES	24,741	24,785	25,254	25,289	25,037	25,257	0.4	-0.1	0.9
ASTRONOMY	623	621	585	543	529	547	-2.6	0.4	3.4
CHEMISTRY	13,753	14,088	14,478	14,689	14,759	14,842	1.5	0.5	0.6
PHYSICS	10,169	9,888	9,966	9,764	9,452	9,567	-1.2	-1.0	1.2
PHYSICAL SCIENCES, N.E.C.	196	188	285	293	297	301	9.0	1.4	1.3
ENVIRONMENTAL SCIENCES	9,949	10,672	11,340	11,837	11,833	12,243	4.2	1.7	3.5
ATMOSPHERIC SCIENCES	1,015	997	996	986	945	918	-2.0	-3.5	-2.9
GEOSCIENCES	6,281	6,739	7,182	7,387	7,505	7,887	4.7	3.3	5.1
OCEANOGRAPHY	1,885	1,947	1,972	2,148	2,063	2,066	1.9	-1.9	0.1
ENVIRONMENTAL SCIENCES, N.E.C.	768	989	1,190	1,316	1,320	1,372	12.3	2.1	3.9
MATHEMATICAL SCIENCES	20,275	21,102	21,597	21,025	21,132	22,432	2.0	3.3	6.2
COMPUTER SCIENCE	6,343	7,075	7,587	7,703	8,547	9,673	8.8	12.1	13.2
MATHEMATICS AND APPLIED MATHEMATICS	12,348	12,231	12,181	11,510	10,837	11,003	-2.3	-2.2	1.5
STATISTICS	1,584	1,796	1,833	1,812	1,748	1,756	2.1	-1.6	0.5
LIFE SCIENCES	66,506	73,073	76,772	83,102	84,972	87,043	5.5	2.3	2.4
AGRICULTURAL SCIENCES	9,954	11,149	11,821	12,194	12,169	12,422	4.5	0.7	2.1
BIOLOGICAL SCIENCES	37,677	40,583	41,285	42,652	42,155	41,380	1.9	-1.5	-1.8
ANATOMY	1,057	1,084	1,115	1,162	1,122	1,111	1.0	-2.2	-1.0
BIOCHEMISTRY	3,702	3,665	3,663	3,754	3,879	3,769	0.4	0.2	-2.8
BIOLOGY	9,840	11,595	11,836	11,916	11,056	10,805	1.9	-4.8	-2.3
BIOMETRY/EPIDEMIOLOGY	683	691	616	815	890	900	5.7	5.1	1.1
BIOPHYSICS	689	800	695	643	578	587	-3.2	-4.5	1.6
BOTANY	2,544	2,580	2,756	2,882	2,840	2,714	1.3	-3.0	-4.4
CELL BIOLOGY	483	562	534	587	631	680	7.1	7.6	7.8
ECOLOGICAL	554	724	826	897	929	810	7.9	-5.0	-12.8
ENTOMOLOGY/PARASITOLOGY	1,355	1,557	1,588	1,590	1,675	1,691	4.5	3.1	1.0
GENETICS	784	813	830	951	935	897	2.7	-2.9	-4.1
MICROBIOLOGY	3,785	3,859	3,973	4,076	3,940	3,790	0.0	-3.6	-3.8
NUTRITION	2,519	2,543	2,818	3,407	3,562	3,485	6.7	1.1	-2.2
PATHOLOGY	972	1,055	1,034	1,126	1,132	1,179	3.9	2.3	4.2
PHARMACOLOGY	1,414	1,605	1,685	1,745	1,842	1,932	6.4	5.2	4.9
PHYSIOLOGY	2,328	2,334	2,226	2,149	2,220	2,238	-0.8	2.0	0.8
ZOOLOGY	3,526	3,520	3,286	3,051	2,973	2,853	-4.1	-3.3	-4.0
BIOSCIENCES, N.E.C.	1,442	1,596	1,804	1,901	1,951	1,939	6.1	1.0	-0.6
HEALTH SCIENCES	18,875	21,341	23,666	28,256	30,648	33,241	12.0	8.5	8.5
ANESTHESIOLOGY	59	55	5	5	10	20	-19.5	100.0	100.0
CARDIOLOGY	47	23	2	3	3	3	-42.3	-22.5	0.0
CLINICAL PHARMACOLOGY	3	4	24	5	8	0	-100.0	-100.0	-100.0
DENTISTRY	991	1,248	1,174	1,263	1,269	1,356	6.5	3.6	6.9
ENDOCRINOLOGY	31	42	37	38	36	50	10.0	14.7	38.9
GASTROENTEROLOGY	47	15	8	8	5	0	-100.0	-100.0	-100.0
HEMATOLOGY	22	3	4	5	8	7	-20.5	18.3	-12.5
NEUROLOGY	148	196	169	182	191	177	3.6	-1.4	-7.3
NURSING	3,887	4,788	6,648	10,025	10,874	11,601	24.4	7.6	6.7
OBSTETRICS/GYNECOLOGY	70	53	59	27	26	36	-12.5	15.5	38.5
OPHTHALMOLOGY	44	26	10	10	2	3	-41.6	-45.2	50.0
OTORHINOLARYNGOLOGY	69	54	68	57	46	26	-17.7	-32.5	-43.5
PEDIATRICS	149	138	153	91	87	91	-9.4	0.0	4.6
PHARMACEUTICAL SCIENCES	1,999	2,238	2,213	2,484	2,511	2,492	4.5	0.2	-0.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,215	3,833	4,337	4,488	5,006	5,842	12.7	14.1	16.7
PSYCHIATRY	297	227	181	177	172	203	-7.3	7.1	18.0
PULMONARY DISEASE	47	7	0	3	10	1	-53.7	-42.3	-90.0
RADIOLOGY	284	305	211	258	226	256	-2.1	-0.4	13.3
SPEECH PATHOLOGY/AUDIOLOGY ..	3,742	4,757	4,558	4,894	5,190	4,997	6.0	1.0	-3.7
SURGERY	139	125	119	101	91	61	-15.2	-22.3	-33.0
VETERINARY SCIENCES	658	700	768	866	866	998	8.7	7.4	15.2
CLINICAL MEDICINE, N.E.C.	1,277	433	416	591	601	630	-13.2	3.2	4.8
HEALTH RELATED, N.E.C.	1,650	2,071	2,502	2,673	3,410	4,391	21.6	28.2	28.8
PSYCHOLOGY	25,029	27,144	28,345	28,451	27,863	27,972	2.2	-0.8	0.4
SOCIAL SCIENCES	63,362	73,703	72,430	73,697	73,974	78,186	4.3	3.0	5.7
AGRICULTURAL ECONOMICS	1,770	2,148	2,195	2,232	2,226	2,226	4.7	-0.1	-1.2
ANTHROPOLOGY	5,705	6,179	6,199	6,183	5,886	5,910	0.7	-2.2	0.4
ECONOMICS (EXCEPT AGRICULTURAL)	9,733	10,674	10,631	10,918	10,976	10,652	1.8	-1.2	-3.0
GEOGRAPHY	2,779	2,939	3,019	2,875	2,782	2,581	-1.5	-5.3	-7.2
HISTORY AND PHILOSOPHY OF SCIENCE	287	303	322	300	281	265	-1.6	-6.0	-5.7
LINGUISTICS	3,130	3,861	3,947	3,945	3,809	4,238	6.2	3.6	11.3
POLITICAL SCIENCE	17,232	21,732	20,968	21,070	21,390	24,563	7.3	8.0	14.8
SOCIOLOGY	11,231	11,979	11,247	10,362	9,878	9,789	-2.7	-2.8	-0.9
SOCIOLOGY/ANTHROPOLOGY	1,437	1,640	1,361	1,369	1,180	1,139	-4.5	-8.8	-3.5
SOCIAL SCIENCES, N.E.C.	10,058	12,248	12,541	14,443	15,539	16,823	10.8	7.9	8.3

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-2. GRADUATE STUDENTS IN PUBLIC DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	186,744	204,452	206,667	210,539	211,220	217,518	3.1	1.6	3.0
ENGINEERING	35,951	38,990	38,756	38,920	38,773	40,383	2.4	1.9	4.2
AERONAUTICAL	1,220	1,194	1,064	1,068	1,041	1,046	-3.0	-1.0	0.5
AGRICULTURAL	548	640	742	772	817	821	8.4	3.1	0.5
BIOMEDICAL	345	408	466	408	434	473	6.5	7.7	9.0
CHEMICAL	3,189	3,488	3,446	3,540	3,591	3,810	3.6	3.7	6.1
CIVIL	6,764	7,394	7,065	7,316	7,393	7,355	1.7	0.3	-0.5
ELECTRICAL	8,591	8,923	8,684	9,151	8,944	9,590	2.2	2.4	7.2
ENGINEERING SCIENCE	1,797	2,014	2,042	1,806	1,716	1,752	-0.5	-1.5	2.1
INDUSTRIAL	3,674	4,422	4,487	4,086	3,931	3,918	1.3	-2.1	-0.3
MECHANICAL	4,820	4,996	4,835	4,755	4,942	5,026	0.8	2.8	1.7
METALLURGICAL/MATERIALS	1,324	1,427	1,449	1,508	1,515	1,652	4.5	4.7	9.0
MINING	261	334	426	485	452	390	8.4	-10.3	-13.7
NUCLEAR	1,331	1,154	1,187	1,109	1,058	1,017	-0.3	-4.2	-3.9
PETROLEUM	153	185	254	268	311	296	14.1	5.1	-4.8
ENGINEERING, N.E.C.	2,234	2,411	2,609	2,648	2,628	3,237	7.7	10.6	23.2
PHYSICAL SCIENCES	16,887	17,094	17,318	17,305	17,244	17,444	0.7	0.4	1.2
ASTRONOMY	452	432	395	361	356	369	-4.0	1.1	3.7
CHEMISTRY	9,699	9,977	10,279	10,370	10,456	10,580	1.8	1.0	1.2
PHYSICS	6,600	6,579	6,548	6,468	6,325	6,384	-0.7	-0.7	0.9
PHYSICAL SCIENCES, N.E.C.	136	106	96	106	107	111	-4.0	2.3	3.7
ENVIRONMENTAL SCIENCES	7,712	8,445	8,973	9,435	9,412	9,832	5.0	2.1	4.5
ATMOSPHERIC SCIENCES	850	909	922	923	892	859	0.2	-3.5	-3.7
GEOSCIENCES	4,829	5,185	5,612	5,846	5,977	6,329	5.6	4.0	5.9
OCEANOGRAPHY	1,381	1,476	1,508	1,587	1,502	1,842	3.5	1.7	9.3
ENVIRONMENTAL SCIENCES, N.E.C.	652	875	931	1,079	1,041	1,002	9.0	-3.6	-3.7
MATHEMATICAL SCIENCES	14,753	15,612	15,959	15,163	15,125	15,447	0.9	0.9	2.1
COMPUTER SCIENCE	4,896	5,460	5,882	5,639	6,084	6,638	6.3	8.5	9.1
MATHEMATICS AND APPLIED MATHEMATICS	8,598	8,719	8,606	8,040	7,594	7,351	-3.1	-4.4	-3.2
STATISTICS	1,259	1,433	1,471	1,484	1,447	1,458	3.0	-0.9	0.8
LIFE SCIENCES	52,198	57,738	60,261	63,695	65,020	66,363	4.9	2.1	2.1
AGRICULTURAL SCIENCES	9,685	10,858	11,529	11,891	11,858	12,069	4.5	0.7	1.8
BIOLOGICAL SCIENCES	28,042	30,218	30,692	31,642	31,485	30,734	1.9	-1.4	-2.4
ANATOMY	701	741	765	784	753	737	1.0	-3.0	-2.1
BIOCHEMISTRY	2,557	2,579	2,591	2,643	2,663	2,558	0.0	-1.6	-3.9
BIOLOGY	6,183	7,275	7,409	7,471	7,076	6,906	2.2	-3.9	-2.4
BIOMETRY/EPIDEMIOLOGY	427	483	413	559	634	622	7.8	5.5	-1.9
BIOPHYSICS	421	482	372	333	326	335	-4.5	0.3	2.8
BOTANY	2,343	2,371	2,544	2,676	2,607	2,485	1.2	-3.6	-4.7
CELL BIOLOGY	262	301	327	378	405	449	11.4	9.0	10.9
ECOLOGY	495	664	759	839	869	758	8.9	-4.9	-12.8
ENTOMOLOGY/PARASITOLOGY	1,283	1,484	1,525	1,530	1,602	1,623	4.8	3.0	1.3
GENETICS	643	632	642	728	718	689	1.4	-2.7	-4.0
MICROBIOLOGY	3,018	3,039	3,076	3,114	3,031	2,899	-0.8	-3.5	-4.4
NUTRITION	2,042	2,028	2,232	2,695	2,857	2,740	6.1	0.8	-4.1
PATHOLOGY	620	727	667	732	757	788	4.9	3.8	6.1
PHARMACOLOGY	967	1,121	1,141	1,140	1,189	1,282	5.8	6.0	7.8
PHYSIOLOGY	1,664	1,704	1,604	1,545	1,579	1,553	-1.4	0.3	-1.6
ZOOLOGY	3,293	3,318	3,163	2,872	2,761	2,639	-4.3	-4.1	-4.4
BIOSCIENCES, N.E.C.	1,123	1,269	1,522	1,603	1,658	1,671	8.3	2.1	0.8
HEALTH SCIENCES	14,471	16,662	18,040	20,162	21,677	23,560	10.2	8.1	8.7
ANESTHESIOLOGY	12	14	5	2	3	14	3.1	164.6	366.7
CARDIOLOGY	20	20	2	2	2	1	-45.1	-29.3	-50.0
CLINICAL PHARMACOLOGY	2	4	24	5	3	0	-100.0	-100.0	-100.0
DENTISTRY	612	731	751	810	821	816	5.9	0.4	-0.6
ENDOCRINOLOGY	28	41	34	33	33	50	12.3	23.1	51.5
GASTROENTEROLOGY	39	11	8	8	5	0	-100.0	-100.0	-100.0
HEMATOLOGY	21	3	3	1	3	3	-32.2	73.2	0.0
NEUROLOGY	54	61	53	73	81	83	9.0	6.6	2.5
NURSING	3,550	4,321	5,440	7,005	7,820	8,297	10.5	8.8	6.1
OBSTETRICS/GYNECOLOGY	63	45	42	17	17	21	-19.7	11.1	23.5
OPHTHALMOLOGY	23	7	4	7	1	1	-46.6	-62.2	0.0
OTORHINOLARYNGOLOGY	44	40	52	31	31	24	-11.4	-12.0	-22.6
PEDIATRICS	120	116	137	69	64	66	-11.3	-2.2	3.1
PHARMACEUTICAL SCIENCES	1,436	1,477	1,488	1,596	1,592	1,615	2.4	0.6	1.4
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,385	2,751	3,130	3,071	3,436	4,097	11.4	15.5	19.2
PSYCHIATRY	176	108	86	96	105	148	-3.4	24.2	41.0
PULMONARY DISEASE	24	5	0	3	9	1	-47.0	-42.3	-88.9
RADIOLOGY	251	284	197	245	215	241	-0.8	-0.8	12.1
SPEECH PATHOLOGY/AUDIOLOGY ..	3,146	4,094	3,946	4,318	4,516	4,255	6.2	-0.7	-5.8
SURGERY	127	104	84	68	70	46	-18.4	-17.8	-34.3
VETERINARY SCIENCES	619	649	715	802	804	935	8.6	8.0	16.3
CLINICAL MEDICINE, N.E.C.	576	292	277	341	334	357	-9.1	2.3	6.9
HEALTH RELATED, N.E.C.	1,143	1,484	1,562	1,559	1,712	2,489	16.8	26.4	45.4
PSYCHOLOGY	15,700	16,968	16,888	16,888	16,225	16,217	0.7	-2.0	0.0
SOCIAL SCIENCES	43,543	49,605	48,512	49,133	49,421	51,832	3.5	2.7	4.9
AGRICULTURAL ECONOMICS	1,628	2,030	2,078	2,117	2,128	2,081	5.0	-0.9	-2.2
ANTHROPOLOGY	3,977	4,293	4,513	4,455	4,273	4,354	1.8	-1.1	1.9
ECONOMICS (EXCEPT AGRICULTURAL)	6,012	6,709	6,589	6,547	6,727	6,476	1.5	-0.5	-3.7
GEOGRAPHY	2,484	2,613	2,735	2,610	2,501	2,327	-1.3	-5.6	-7.0
HISTORY AND PHILOSOPHY OF SCIENCE	152	150	164	163	153	148	-0.5	-4.7	-3.3
LINGUISTICS	2,268	2,520	2,666	2,801	2,742	2,748	3.9	-1.0	0.2
POLITICAL SCIENCE	10,560	12,467	11,589	11,821	11,718	13,261	4.7	5.9	13.2
SOCIOLOGY	8,358	9,053	8,394	7,626	7,511	7,304	-2.7	-2.1	-2.8
SOCIOLOGY/ANTHROPOLOGY	898	1,128	817	750	602	566	-8.8	-13.1	-8.0
SOCIAL SCIENCES, N.E.C.	7,206	8,642	9,027	10,243	11,066	12,567	11.8	10.8	13.6

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-3. GRADUATE STUDENTS IN PRIVATE DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	80,268	91,156	93,720	99,041	99,160	104,252	5.4	2.6	5.1
ENGINEERING	21,199	26,139	25,893	27,259	26,796	28,254	5.9	1.8	5.4
AERONAUTICAL	457	460	357	404	396	410	-2.1	0.7	3.5
AGRICULTURAL	37	36	33	36	40	37	0.0	1.4	-7.5
BIOMEDICAL	436	469	424	431	456	486	2.2	6.2	6.6
CHEMICAL	1,521	1,547	1,707	1,739	1,789	1,839	3.9	2.8	6.6
CIVIL	3,207	3,802	3,373	3,336	3,295	3,512	1.8	2.6	6.6
ELECTRICAL	6,796	6,739	6,571	7,243	7,437	7,494	2.0	1.7	0.8
ENGINEERING SCIENCE	514	394	381	394	386	334	-8.3	-7.9	-13.5
INDUSTRIAL	3,276	7,408	7,439	7,394	6,746	7,531	18.1	0.9	11.6
MECHANICAL	2,691	2,573	2,592	3,015	2,859	3,149	3.2	2.2	10.1
METALLURGICAL/MATERIALS	971	1,010	996	1,032	1,021	1,066	1.9	1.6	4.4
MINING	69	82	94	86	87	89	3.8	-1.8	-4.6
NUCLEAR	460	483	424	387	389	352	-5.2	-4.6	-9.5
PETROLEUM	152	147	150	151	165	176	3.0	8.0	6.7
ENGINEERING, N.E.C.	612	989	1,352	1,611	1,730	1,785	23.9	5.3	3.2
PHYSICAL SCIENCES	7,854	7,691	7,936	7,984	7,793	7,813	-0.1	-1.1	0.3
ASTRONOMY	171	189	190	182	173	178	0.8	-1.1	2.9
CHEMISTRY	4,054	4,111	4,199	4,319	4,303	4,262	1.0	-0.7	-1.0
PHYSICS	3,569	3,309	3,358	3,296	3,127	3,183	-2.3	-1.7	1.8
PHYSICAL SCIENCES, N.E.C.	60	82	189	187	190	190	25.9	0.8	0.0
ENVIRONMENTAL SCIENCES	2,237	2,227	2,367	2,402	2,421	2,411	1.5	0.2	-0.4
ATMOSPHERIC SCIENCES	165	88	74	63	53	59	-18.6	-3.2	11.3
GEOSCIENCES	1,452	1,554	1,570	1,541	1,528	1,558	1.4	0.6	2.0
OCEANOGRAPHY	504	471	464	561	561	424	-3.4	-13.1	-24.4
ENVIRONMENTAL SCIENCES, N.E.C.	116	114	259	237	279	370	26.1	24.9	32.6
MATHEMATICAL SCIENCES	5,522	5,490	5,638	5,862	6,007	6,985	4.8	9.2	16.3
COMPUTER SCIENCE	1,447	1,615	1,701	2,064	2,463	3,035	16.0	21.3	23.2
MATHEMATICS AND APPLIED MATHEMATICS	3,750	3,512	3,575	3,470	3,243	3,652	-0.5	2.6	12.6
STATISTICS	325	363	362	328	301	298	-1.7	-4.7	-1.0
LIFE SCIENCES	14,308	15,335	16,511	19,407	19,952	20,680	7.6	3.2	3.6
AGRICULTURAL SCIENCES	269	291	292	303	311	353	5.6	7.9	13.5
BIOLOGICAL SCIENCES	9,635	10,365	10,593	11,010	10,670	10,646	2.0	-1.7	-0.2
ANATOMY	356	343	350	378	369	374	1.0	-0.5	1.4
BIOCHEMISTRY	1,145	1,086	1,072	1,111	1,216	1,211	1.1	4.4	-0.4
BIOLOGY	3,657	4,320	4,427	4,445	3,980	3,899	1.3	-6.3	-2.0
BIOMETRY/EPIDEMIOLOGY	256	208	203	256	256	278	1.7	4.2	8.6
BIOPHYSICS	268	318	323	310	252	252	-1.2	-9.8	0.0
BOTANY	201	209	212	206	233	229	2.6	5.4	-1.7
CELL BIOLOGY	221	261	207	209	226	231	0.9	5.1	2.2
ECOLOGY	59	60	67	58	60	52	-2.5	-5.3	-13.3
ENTOMOLOGY/PARASITOLOGY	72	73	63	60	73	68	-1.1	6.5	-6.8
GENETICS	141	181	188	223	217	208	8.1	-3.4	-4.1
MICROBIOLOGY	767	820	897	962	909	891	3.0	-3.8	-2.0
NUTRITION	477	515	586	712	705	745	9.3	2.3	5.7
PATHOLOGY	352	328	367	394	375	391	2.1	-0.4	4.3
PHARMACOLOGY	447	484	544	605	653	650	7.8	3.7	-0.5
PHYSIOLOGY	664	630	622	604	641	685	0.6	6.5	6.9
ZOOLOGY	233	202	181	179	212	214	-1.7	9.3	0.9
BIOSCIENCES, N.E.C.	319	327	282	298	293	268	-3.4	-5.2	-8.5
HEALTH SCIENCES	4,404	4,679	5,626	8,094	8,971	9,681	17.1	9.4	7.9
ANESTHESIOLOGY	47	41	0	3	7	6	-33.7	41.4	-14.3
CARDIOLOGY	27	3	0	3	1	2	-90.6	-18.4	100.0
CLINICAL PHARMACOLOGY	1	0	0	0	5	0	-100.0	0.0	-100.0
DENTISTRY	379	517	423	453	448	540	7.3	9.2	20.5
ENDOCRINOLOGY	3	1	3	5	3	0	-100.0	-100.0	-100.0
GASTROENTEROLOGY	8	4	0	0	0	0	-100.0	0.0	0.0
HEMATOLOGY	1	0	1	4	5	4	32.0	0.0	-20.0
NEUROLOGY	94	135	116	109	110	94	0.0	-7.1	-14.5
NURSING	337	467	1,208	3,020	3,054	3,304	57.9	4.6	8.2
OBSTETRICS/GYNECOLOGY	7	8	17	10	9	15	16.5	22.5	66.7
OPHTHALMOLOGY	21	19	6	3	1	2	-37.5	-18.4	100.0
OTORHINOLARYNGOLOGY	25	14	16	26	15	2	-39.7	-72.3	-86.7
PEDIATRICS	29	22	16	22	23	25	-2.9	6.6	8.7
PHARMACEUTICAL SCIENCES	563	761	725	888	919	877	9.3	-0.6	-4.6
PREVENTIVE MEDICINE/COMMUNITY HEALTH	830	1,082	1,207	1,417	1,570	1,745	16.0	11.0	11.1
PSYCHIATRY	121	119	95	81	67	95	-14.6	-17.6	-17.9
PULMONARY DISEASE	23	2	0	0	1	0	-100.0	0.0	-100.0
RADIOLOGY	33	21	14	13	11	15	-14.6	7.4	36.4
SPEECH PATHOLOGY/AUDIOLOGY	596	663	612	576	674	742	4.5	13.5	10.1
SURGERY	12	21	35	33	21	15	4.6	-32.6	-28.6
VETERINARY SCIENCES	39	51	53	64	62	63	10.1	-0.8	1.6
CLINICAL MEDICINE, N.E.C.	701	141	139	250	267	273	-17.2	4.5	2.2
HEALTH RELATED, N.E.C.	507	587	940	1,114	1,698	1,902	30.3	30.7	12.0
PSYCHOLOGY	9,329	10,176	11,457	11,563	11,638	11,795	4.7	0.8	1.0
SOCIAL SCIENCES	19,819	24,098	23,918	24,564	24,553	26,354	5.9	3.6	7.3
AGRICULTURAL ECONOMICS	142	118	117	115	125	145	0.4	12.3	16.0
ANTHROPOLOGY	1,728	1,886	1,686	1,728	1,613	1,556	-2.1	-5.1	-3.5
ECONOMICS (EXCEPT AGRICULTURAL)	3,721	3,965	4,042	4,371	4,249	4,176	2.3	-2.3	-1.7
GEOGRAPHY	295	326	284	265	281	254	-2.9	-2.1	-9.6
HISTORY AND PHILOSOPHY OF SCIENCE	135	153	158	137	128	117	-2.8	-7.6	-8.6
LINGUISTICS	862	1,341	1,281	1,144	1,067	1,490	11.6	14.1	39.6
POLITICAL SCIENCE	6,672	9,265	9,379	9,249	9,672	11,302	11.1	10.9	16.9
SOCIOLOGY	2,873	2,926	2,913	2,736	2,367	2,485	-2.9	-4.7	5.0
SOCIOLOGY/ANTHROPOLOGY	539	512	544	619	578	573	1.2	-3.8	-0.9
SOCIAL SCIENCES, N.E.C.	2,852	3,606	3,514	4,200	4,473	4,256	8.3	0.7	-4.9

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-4. FIRST-YEAR GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	102,438	112,933	119,705	115,471	106,121	103,840	6.3	-5.2	-2.1
ENGINEERING	25,085	29,321	27,790	28,419	25,085	24,160	-6.7	-7.8	-3.7
AERONAUTICAL	554	641	485	535	509	538	-6.6	0.3	5.7
AGRICULTURAL	223	287	305	305	284	244	1.8	-10.6	-14.1
BIOMEDICAL	318	295	327	275	297	271	-3.1	-0.7	-8.8
CHEMICAL	1,860	1,981	2,025	2,209	1,968	1,871	6.1	-8.0	-4.9
CIVIL	4,741	4,997	4,550	4,613	3,976	3,796	-4.3	-9.3	-4.5
ELECTRICAL	7,129	7,189	5,724	7,658	6,684	6,266	-2.5	-9.5	-6.3
ENGINEERING SCIENCE	864	807	881	699	602	568	-8.4	-9.9	-5.6
INDUSTRIAL	3,302	6,403	5,895	5,483	4,768	4,575	8.8	-8.7	-4.3
MECHANICAL	3,421	3,311	3,162	3,263	2,912	2,960	-2.9	-4.8	1.6
METALLURGICAL/MATERIALS	716	710	690	755	730	812	2.5	3.7	11.2
MINING	133	180	234	205	168	138	6.7	-18.0	-17.9
NUCLEAR	676	721	515	469	437	322	-13.8	-17.1	-26.3
PETROLEUM	106	123	193	162	147	135	5.0	-8.7	-8.2
ENGINEERING, N.E.C.	1,342	1,676	1,764	1,788	1,603	1,664	4.4	-3.5	3.8
PHYSICAL SCIENCES	6,905	7,032	7,102	7,200	6,779	6,469	-1.3	-5.2	-4.6
ASTRONOMY	135	121	119	136	112	122	-2.0	-5.3	8.9
CHEMISTRY	4,008	4,206	4,342	4,366	4,128	3,885	-6.6	-5.7	-5.9
PHYSICS	2,653	2,603	2,546	2,560	2,407	2,383	-2.1	-3.5	-1.0
PHYSICAL SCIENCES, N.E.C.	109	102	95	138	132	79	-6.2	-24.3	-40.2
ENVIRONMENTAL SCIENCES	3,389	3,701	3,713	3,831	3,582	3,559	1.0	-3.6	-0.6
ATMOSPHERIC SCIENCES	335	353	325	333	289	265	-4.6	-10.8	-8.3
GEOSCIENCES	2,082	2,320	2,334	2,341	2,160	2,295	2.0	-1.0	6.3
OCEANOGRAPHY	570	556	533	617	598	524	-1.7	-7.8	-12.4
ENVIRONMENTAL SCIENCES, N.E.C.	402	472	521	540	535	475	3.4	-6.2	-11.2
MATHEMATICAL SCIENCES	8,096	8,597	8,067	8,217	7,722	7,572	-1.3	-4.0	-1.9
COMPUTER SCIENCE	2,841	3,317	3,097	3,362	3,433	3,336	3.3	-0.4	-2.8
MATHEMATICS AND APPLIED MATHEMATICS	4,743	4,661	4,387	4,319	3,786	3,733	-4.7	-7.0	-1.4
STATISTICS	512	619	583	536	503	503	-0.4	-3.1	0.0
LIFE SCIENCES	26,581	28,407	29,199	31,700	29,521	28,525	1.4	-5.1	-3.4
AGRICULTURAL SCIENCES	3,896	4,329	4,489	4,427	3,826	3,555	-1.8	-10.4	-7.1
BIOLOGICAL SCIENCES	12,570	13,214	12,882	13,039	11,728	10,782	-3.0	-9.1	-8.1
ANATOMY	342	319	306	288	248	238	-7.0	-9.1	-4.0
BIOCHEMISTRY	1,360	1,049	995	983	924	877	-3.7	-5.5	-5.1
BIOLOGY	3,560	4,120	4,167	4,097	3,331	3,170	-2.3	-12.0	-4.8
BIOMETRY/EPIDEMIOLOGY	281	252	221	257	308	315	2.3	16.7	2.3
BIOPHYSICS	167	207	141	131	107	83	-13.0	-20.4	-22.4
BOTANY	755	736	837	793	718	604	-4.4	-12.7	-15.9
CELL BIOLOGY	109	183	132	159	157	140	5.1	-6.2	-10.8
ECOLOGY	174	220	205	203	205	188	1.6	-3.8	-8.3
ENTOMOLOGY/PARASITOLOGY	346	526	456	451	432	410	3.5	-9.7	-5.1
GENETICS	226	242	238	266	225	180	-4.4	-17.7	-20.0
MICROBIOLOGY	1,283	1,203	1,159	1,189	988	923	-6.4	-11.9	-6.6
NUTRITION	1,110	1,069	1,104	1,377	1,259	1,240	2.2	-5.1	-1.5
PATHOLOGY	353	332	310	340	323	298	-3.3	-6.4	-7.7
PHARMACOLOGY	473	487	466	441	473	457	-0.7	1.8	-3.4
PHYSIOLOGY	808	733	619	632	627	590	-6.1	-5.4	-5.9
ZOOLOGY	1,037	963	918	782	830	595	-10.5	-12.8	-28.3
BIOSCIENCES, N.E.C.	486	573	608	650	573	474	-6.5	-14.6	-17.3
HEALTH SCIENCES	10,115	10,864	11,828	14,234	13,967	14,188	7.0	-0.2	1.6
ANESTHESIOLOGY	32	19	1	5	6	6	-28.5	9.5	0.0
CARDIOLOGY	19	13	6	1	0	1	-44.5	0.0	0.0
CLINICAL PHARMACOLOGY	0	4	7	4	1	0	0.0	-100.0	-100.0
DENTISTRY	421	501	466	495	485	487	3.0	-0.8	0.4
ENDOCRINOLOGY	9	8	13	11	9	11	4.1	0.0	22.2
GASTROENTEROLOGY	18	6	4	4	0	0	-100.0	-100.0	0.0
HEMATOLOGY	6	3	2	0	2	2	-19.7	0.0	0.0
NEUROLOGY	33	44	31	44	41	29	-2.6	-18.8	-29.3
NURSING	2,668	2,948	4,057	5,751	5,364	5,923	17.3	1.5	10.4
OBSTETRICS/GYNECOLOGY	26	22	24	11	9	9	-19.1	-9.5	0.0
OPHTHALMOLOGY	17	6	3	1	1	0	-100.0	-100.0	-100.0
OTORHINOLARYNGOLOGY	12	13	22	21	14	1	-39.2	-78.2	-92.9
PEDIATRICS	66	68	118	63	47	58	-2.6	-4.1	23.4
PHARMACEUTICAL SCIENCES	710	782	754	855	813	762	1.4	-5.6	-6.3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,835	2,196	2,404	2,394	2,549	2,572	7.0	3.7	0.9
PSYCHIATRY	82	59	49	32	37	42	-12.5	14.6	13.5
PULMONARY DISEASE	32	3	0	2	4	0	-100.0	-100.0	-100.0
RADIOLOGY	127	116	81	89	61	67	-12.0	-13.2	9.8
SPEECH PATHOLOGY/AUDIOLOGY	2,266	2,483	2,158	2,348	2,229	1,912	-3.3	-9.8	-14.2
SURGERY	63	35	35	23	15	14	-26.0	-22.0	-6.7
VETERINARY SCIENCES	238	262	294	315	269	297	4.5	-2.9	10.4
CLINICAL MEDICINE, N.E.C.	537	187	190	261	286	298	-11.1	6.9	9.2
HEALTH RELATED, N.E.C.	898	1,086	1,115	1,504	1,725	1,697	13.8	8.2	-1.6
PSYCHOLOGY	7,842	7,799	7,651	7,914	7,081	6,885	-2.6	-6.9	-3.1
SOCIAL SCIENCES	24,540	28,076	26,223	28,190	26,351	26,690	1.7	-2.7	1.3
AGRICULTURAL ECONOMICS	646	768	802	823	738	723	2.3	-8.3	-2.0
ANTHROPOLOGY	1,573	1,513	1,596	1,558	1,338	1,365	-2.8	-8.4	2.0
ECONOMICS (EXCEPT AGRICULTURAL)	3,574	3,858	3,560	3,737	3,574	3,050	-3.1	-9.7	-14.7
GEOGRAPHY	882	975	1,012	977	836	764	-2.8	-11.6	-8.6
HISTORY AND PHILOSOPHY OF SCIENCE	84	66	80	64	62	46	-11.3	-15.2	-25.8
LINGUISTICS	1,346	1,508	1,601	1,503	1,344	1,258	-1.3	-8.5	-6.4
POLITICAL SCIENCE	7,248	8,785	7,825	8,678	7,899	9,338	5.2	3.7	18.2
SOCIOLOGY	3,814	3,976	3,581	3,438	3,010	2,686	-6.8	-11.6	-10.8
SOCIOLOGY/ANTHROPOLOGY	524	591	410	425	366	296	-10.8	-16.5	-19.1
SOCIAL SCIENCES, N.E.C.	4,849	6,036	5,756	6,987	7,184	7,164	8.1	1.3	-0.3

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-5. GRADUATE STUDENTS BEYOND FIRST YEAR IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	164,574	182,675	194,682	194,109	204,259	217,930	5.8	6.0	6.7
ENGINEERING	32,365	35,808	36,899	37,760	40,484	44,477	6.8	8.5	9.9
AERONAUTICAL	1,123	1,613	936	937	928	918	-4.0	-1.0	-1.1
AGRICULTURAL	362	389	470	503	573	614	11.1	10.5	7.2
BIOMEDICAL	463	582	563	564	593	688	8.2	10.4	16.0
CHEMICAL	2,850	3,054	3,128	3,070	3,412	3,778	5.8	10.9	10.7
CIVIL	5,230	6,199	5,888	6,039	6,712	7,071	6.2	9.2	5.3
ELECTRICAL	8,258	8,473	8,531	8,736	9,697	10,818	5.5	11.3	11.6
ENGINEERING SCIENCE	1,447	1,601	1,542	1,501	1,500	1,518	1.0	0.6	1.2
INDUSTRIAL	3,948	5,427	6,031	5,997	5,909	6,874	11.7	7.1	16.3
MECHANICAL	4,390	4,258	4,265	4,507	4,889	5,215	5.0	7.6	6.7
METALLURGICAL/MATERIALS	1,579	1,727	1,755	1,785	1,806	1,906	3.8	3.3	5.5
MINING	197	236	286	366	371	335	11.2	-4.3	-9.7
NUCLEAR	915	916	1,096	1,027	1,010	1,047	5.1	1.0	3.7
PETROLEUM	199	209	211	257	329	337	11.1	14.5	2.4
ENGINEERING, N.E.C.	1,504	1,724	2,197	2,471	2,755	3,358	17.4	16.6	21.9
PHYSICAL SCIENCES	17,936	17,753	18,152	18,089	18,258	18,788	1.0	1.9	2.9
ASTRONOMY	488	500	466	407	417	425	-2.7	2.2	1.9
CHEMISTRY	9,745	9,882	10,136	10,323	10,631	10,957	2.4	3.0	3.1
PHYSICS	7,516	7,285	7,360	7,204	7,045	7,184	-0.9	-0.1	2.0
PHYSICAL SCIENCES, N.E.C.	87	86	190	155	165	222	20.6	19.7	34.5
ENVIRONMENTAL SCIENCES	6,560	6,971	7,627	8,006	8,251	8,684	5.8	4.1	5.2
ATMOSPHERIC SCIENCES	680	644	671	653	656	653	-0.8	0.0	-0.5
GEOSCIENCES	4,199	4,419	4,848	5,046	5,345	5,592	5.9	5.3	4.6
OCEANOGRAPHY	1,315	1,391	1,439	1,531	1,465	1,542	3.2	0.4	5.3
ENVIRONMENTAL SCIENCES, N.E.C.	366	517	669	776	785	897	19.6	7.5	14.3
MATHEMATICAL SCIENCES	12,179	12,505	13,530	12,808	13,410	14,860	4.1	7.7	10.8
COMPUTER SCIENCE	3,502	3,758	4,486	4,341	5,114	6,337	12.6	20.8	23.9
MATHEMATICS AND APPLIED MATHEMATICS	7,605	7,570	7,794	7,191	7,051	7,270	-0.9	0.5	3.1
STATISTICS	1,072	1,177	1,250	1,276	1,245	1,253	3.2	-0.9	0.6
LIFE SCIENCES	39,925	44,666	47,573	51,402	55,451	58,518	7.9	6.7	5.5
AGRICULTURAL SCIENCES	6,358	6,820	7,332	7,767	8,343	8,867	7.5	6.8	6.3
BIOLOGICAL SCIENCES	25,107	27,369	28,403	29,613	30,427	30,598	4.0	1.6	0.6
ANATOMY	715	765	809	874	874	873	4.1	-0.1	-0.1
BIOCHEMISTRY	2,642	2,616	2,668	2,771	2,955	2,892	1.8	2.2	-2.1
BIOLOGY	6,280	7,475	7,669	7,819	7,725	7,635	4.0	-1.2	-1.2
BIOCHEMISTRY/EPIDEMIOLOGY	402	439	395	558	582	585	7.8	2.4	0.5
BIOPHYSICS	522	593	554	512	471	504	-0.7	-0.8	7.0
BOTANY	1,789	1,844	1,919	2,049	2,122	2,110	3.4	0.5	-0.6
CELL BIOLOGY	374	379	402	428	474	540	7.6	12.3	13.9
ECOLOGICAL	380	504	621	694	724	622	10.4	-5.3	-14.1
ENTOMOLOGY/PARASITOLOGY	1,009	1,031	1,132	1,139	1,243	1,281	4.9	6.1	3.1
GENETICS	558	571	592	685	710	717	5.1	2.3	1.0
MICROBIOLOGY	2,502	2,656	2,814	2,887	2,952	2,867	2.8	-0.3	-2.9
NUTRITION	1,409	1,474	1,714	2,030	2,303	2,245	9.8	5.2	-2.5
PATHOLOGY	619	723	724	786	809	881	7.3	5.9	8.9
PHARMACOLOGY	941	1,118	1,219	1,304	1,369	1,475	9.4	6.4	7.7
PHYSIOLOGY	1,520	1,601	1,607	1,517	1,593	1,648	1.6	4.2	3.5
ZOOLOGY	2,489	2,557	2,368	2,269	2,143	2,258	-1.9	-0.2	5.4
BIOSCIENCES, N.E.C.	956	1,023	1,196	1,251	1,378	1,465	8.9	8.2	6.3
HEALTH SCIENCES	8,760	10,477	11,838	14,022	16,681	19,053	16.8	16.6	14.2
ANESTHESIOLOGY	27	36	4	0	4	14	-12.3	00	250.0
CARDIOLOGY	28	10	2	4	3	2	-41.0	-29.3	-33.3
CLINICAL PHARMACOLOGY	3	0	17	1	7	0	-100.0	-100.0	-100.0
DENTISTRY	570	747	708	768	784	869	8.8	6.4	10.8
ENDOCRINOLOGY	22	34	24	27	27	39	12.1	20.2	44.4
GASTROENTEROLOGY	29	9	4	4	5	0	-100.0	-100.0	-100.0
HEMATOLOGY	16	0	2	5	6	5	-20.0	0.0	-16.7
NEUROLOGY	115	152	130	130	150	148	5.2	3.6	-1.3
NURSING	1,219	1,840	2,591	4,274	5,510	5,678	36.0	15.3	3.0
OBSTETRICS/GYNECOLOGY	44	31	35	16	17	27	-9.3	29.9	58.8
OPHTHALMOLOGY	27	20	7	9	1	3	-35.6	-42.3	200.0
OTORHINOLARYNGOLOGY	57	41	46	36	32	25	-15.2	-16.7	-21.9
PEDIATRICS	83	70	35	28	40	33	-16.8	8.6	-17.5
PHARMACEUTICAL SCIENCES	1,289	1,456	1,459	1,629	1,698	1,730	6.1	3.1	1.9
PREVENTIVE MEDICINE/COMMUNITY HEALTH	1,380	1,637	1,933	2,094	2,457	3,270	18.8	25.0	33.1
PSYCHIATRY	215	168	132	145	135	161	-5.6	5.4	19.3
PULMONARY DISEASE	15	4	0	1	6	1	-41.8	0.0	-83.3
RADIOLOGY	157	189	130	169	165	189	3.8	5.8	14.5
SPEECH PATHOLOGY/AUDIOLOGY	1,476	2,274	2,400	2,546	2,961	3,085	15.9	10.1	4.2
SURGERY	76	90	84	78	76	47	-9.2	-22.4	-38.2
VETERINARY SCIENCES	420	438	474	551	597	701	10.8	12.8	17.4
CLINICAL MEDICINE, N.E.C.	740	246	226	330	315	332	-14.8	0.3	5.4
HEALTH RELATED, N.E.C.	752	985	1,387	1,169	1,685	2,694	29.1	51.8	59.9
PSYCHOLOGY	17,187	19,345	20,694	20,537	20,782	21,107	4.2	1.4	1.6
SOCIAL SCIENCES	38,822	45,627	46,207	45,507	47,623	51,496	5.8	6.4	8.1
AGRICULTURAL ECONOMICS	1,124	1,380	1,393	1,409	1,515	1,503	6.0	3.3	-0.8
ANTHROPOLOGY	4,132	4,666	4,603	4,625	4,548	4,545	1.9	-0.9	-0.1
ECONOMICS (EXCEPT AGRICULTURAL)	6,159	6,816	7,071	7,181	7,402	7,602	4.3	2.9	2.7
GEOGRAPHY	1,897	1,964	2,007	1,898	1,946	1,817	-0.9	-2.2	-0.6
HISTORY AND PHILOSOPHY OF SCIENCE	203	237	234	236	219	219	1.5	-3.7	0.0
LINGUISTICS	1,784	2,353	2,442	2,442	2,465	2,980	10.8	10.5	20.9
POLITICAL SCIENCE	9,984	12,947	13,143	12,392	13,491	15,225	8.8	10.8	12.9
SOCIOLOGY	7,417	8,003	7,666	6,924	6,868	7,103	-0.9	1.3	3.4
SOCIOLOGY/ANTHROPOLOGY	913	1,049	951	944	814	843	-1.6	-5.5	3.6
SOCIAL SCIENCES, N.E.C.	5,209	6,212	6,785	7,456	8,355	9,659	13.1	13.8	15.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-6. GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-79

DIVISION AND STATE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL INSTITUTIONS	267,012	295,608	300,387	309,580	310,380	321,770	3.8	1.9	3.7
NEW ENGLAND	20,426	21,004	22,078	22,209	22,917	24,043	3.3	4.0	4.9
CONNECTICUT	3,278	3,361	3,686	3,418	3,474	3,645	2.1	3.3	4.9
MAINE	431	446	512	469	487	475	2.0	0.6	-2.5
MASSACHUSETTS	13,656	14,253	15,031	15,444	16,087	16,958	4.4	4.8	5.4
NEW HAMPSHIRE	754	652	676	723	666	701	-1.4	-1.5	5.3
RHODE ISLAND	1,711	1,815	1,688	1,675	1,753	1,758	0.5	2.4	0.3
VERMONT	596	477	485	480	450	506	-3.2	2.7	12.4
MIDDLE ATLANTIC	49,839	55,436	53,733	55,880	54,340	56,916	2.7	0.9	4.7
NEW JERSEY	8,105	9,359	8,651	8,779	8,795	8,884	1.9	0.6	1.0
NEW YORK	29,672	33,139	31,159	33,137	31,868	33,885	2.7	1.1	6.3
PENNSYLVANIA	12,062	12,938	13,923	13,964	13,677	14,147	3.2	0.7	3.4
EAST NORTH CENTRAL	53,289	56,020	56,561	57,798	57,406	58,642	1.9	0.7	2.2
ILLINOIS	13,716	14,239	14,101	15,074	15,306	15,499	2.5	1.4	1.3
INDIANA	6,628	6,870	7,210	7,152	7,113	6,995	1.1	-1.1	-1.7
MICHIGAN	12,639	12,483	12,209	12,581	12,272	13,085	0.7	2.0	6.6
OHIO	12,816	13,953	14,994	15,202	15,125	15,505	3.9	1.0	2.5
WISCONSIN	7,490	8,475	8,047	7,789	7,590	7,558	0.2	-1.5	-0.4
WEST NORTH CENTRAL	19,470	21,323	22,011	22,547	22,806	23,179	3.5	1.4	1.6
IANA	3,579	3,653	3,982	4,006	4,268	4,509	4.7	6.1	5.6
KANSAS	3,327	3,716	3,913	4,189	4,413	4,432	5.9	2.9	0.4
MINNESOTA	4,650	5,247	4,973	4,814	4,814	4,993	1.4	1.8	3.7
MISSOURI	5,303	5,944	6,091	6,030	5,742	5,744	1.6	-2.4	0.0
NEBRASKA	1,286	1,470	1,730	2,112	2,073	2,111	10.4	0.0	1.8
NORTH DAKOTA	693	742	809	836	858	776	2.3	-3.7	-9.6
SOUTH DAKOTA	632	551	513	560	638	614	-0.6	4.7	-3.8
SOUTH ATLANTIC	36,337	40,597	42,081	44,733	45,630	47,641	5.6	3.2	4.4
DELAWARE	863	908	902	884	884	1,031	3.6	8.0	16.6
DISTRICT OF COLUMBIA	6,160	7,314	7,600	9,050	8,714	9,063	8.0	0.1	4.0
FLORIDA	6,033	7,013	7,397	7,198	7,974	8,808	7.9	10.6	10.5
GEORGIA	4,452	4,816	4,832	4,852	5,087	5,300	3.5	4.5	4.2
MARYLAND	5,774	5,590	5,624	5,760	5,696	5,633	-0.5	-1.1	-1.1
NORTH CAROLINA	5,403	5,739	5,764	6,257	6,329	6,651	4.2	3.1	5.1
SOUTH CAROLINA	1,942	2,539	2,720	2,833	2,765	2,780	7.4	-0.9	0.5
VIRGINIA	4,328	5,037	5,389	5,686	5,875	6,139	7.2	3.9	4.5
WEST VIRGINIA	1,382	1,641	1,853	2,213	2,386	2,236	10.1	0.5	-3.0
EAST SOUTH CENTRAL	9,796	11,248	12,208	12,830	13,058	13,190	6.1	1.4	1.0
ALABAMA	1,979	2,328	2,810	3,182	3,362	3,500	12.1	4.9	4.1
KENTUCKY	1,966	2,254	2,386	2,475	2,454	2,607	5.8	2.6	6.2
MISSISSIPPI	1,343	1,765	1,824	1,858	1,970	1,895	7.1	1.0	-3.8
TENNESSEE	4,508	4,901	5,188	5,315	5,272	5,188	2.8	-1.2	-1.6
WEST SOUTH CENTRAL	21,942	23,624	24,555	26,434	26,813	27,205	4.4	1.4	1.5
ARKANSAS	826	857	948	1,044	1,056	1,005	5.2	1.0	0.9
LOUISIANA	3,071	2,798	2,883	3,100	3,484	3,518	2.8	6.5	1.0
OKLAHOMA	3,676	3,455	3,344	3,726	3,757	3,715	0.2	-0.1	-1.1
TEXAS	14,369	16,514	17,380	18,564	18,516	18,907	5.6	0.9	2.1
MOUNTAIN	17,158	20,396	19,941	19,827	20,077	20,813	3.9	2.5	3.7
ARIZONA	4,259	4,791	4,707	4,729	4,752	5,027	3.4	3.1	5.8
COLORADO	5,852	7,684	7,124	6,821	6,608	6,885	3.3	0.5	4.2
IDAHO	755	841	975	1,192	1,191	1,266	10.9	3.1	6.3
MONTANA	689	756	774	763	772	755	1.8	-0.5	-2.2
NEVADA	421	455	537	469	435	477	2.5	0.8	9.7
NEW MEXICO	1,569	1,970	1,915	1,809	2,059	2,086	5.9	7.4	1.3
UTAH	3,000	3,218	3,214	3,369	3,582	3,666	4.1	4.3	2.3
WYOMING	613	681	695	675	678	651	1.2	-1.0	-4.0
PACIFIC	37,593	44,507	45,805	45,708	45,785	48,600	5.3	3.1	6.1
ALASKA	209	173	208	228	251	270	5.3	8.8	7.6
CALIFORNIA	28,947	35,412	35,807	35,019	34,935	37,545	5.3	3.5	7.5
HAWAII	1,388	1,484	1,496	1,543	1,501	1,481	1.3	-2.0	-1.3
OREGON	2,495	2,852	2,995	3,135	3,262	3,299	5.7	2.6	1.1
WASHINGTON	4,554	4,586	5,299	5,783	5,836	6,005	5.7	1.9	2.9
OUTLYING AREAS	1,162	1,453	1,414	1,614	1,548	1,541	5.8	-2.3	-0.5

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-7. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	195,906	210,822	214,729	218,445	216,849	224,057	2.7	1.3	3.3
ENGINEERING	33,717	37,138	36,437	36,781	37,026	39,282	3.1	3.5	6.1
AERONAUTICAL	1,258	1,235	1,126	1,158	1,126	1,142	-1.9	-0.7	1.4
AGRICULTURAL	488	577	641	692	708	744	8.8	3.7	5.1
BIOMEDICAL	668	758	719	685	710	795	3.5	7.7	12.0
CHEMICAL	3,318	3,595	3,737	4,016	4,065	4,351	5.6	4.1	7.3
CIVIL	5,866	6,591	6,082	6,222	6,375	6,486	2.0	2.1	1.7
ELECTRICAL	7,650	8,133	8,063	8,279	8,258	8,783	2.8	3.0	6.4
ENGINEERING SCIENCE	1,578	1,681	1,683	1,503	1,447	1,475	-1.3	-0.9	1.9
INDUSTRIAL	3,625	4,502	4,036	3,812	3,714	4,039	2.3	2.9	8.8
MECHANICAL	4,213	4,424	4,469	4,470	4,602	4,995	3.5	5.7	8.5
METALLURGICAL/MATERIALS	1,694	1,825	1,891	1,976	1,994	2,163	5.0	4.6	8.5
MINING	281	355	413	450	421	361	5.1	-10.4	-14.3
NUCLEAR	1,061	1,267	1,233	1,165	1,167	1,112	0.9	-2.3	-4.7
PETROLEUM	261	258	351	340	376	367	7.1	3.9	-2.4
ENGINEERING, N.E.C.	1,776	1,957	2,053	2,015	2,063	2,469	6.8	10.7	19.7
PHYSICAL SCIENCES	21,416	21,443	21,787	21,933	21,657	21,922	0.5	0.0	1.2
ASTRONOMY	564	575	525	500	492	509	-2.0	0.9	3.5
CHEMISTRY	11,698	11,966	12,359	12,566	12,636	12,790	1.8	0.9	1.2
PHYSICS	9,011	8,796	8,808	8,773	8,429	8,515	-1.1	-1.5	1.0
PHYSICAL SCIENCES, N.E.C.	143	111	95	94	100	108	-5.5	7.2	8.0
ENVIRONMENTAL SCIENCES	8,201	8,672	9,298	9,593	9,695	9,919	3.9	1.7	2.3
ATMOSPHERIC SCIENCES	847	892	888	874	824	817	-0.7	-3.3	-0.8
GEOSCIENCES	5,260	5,615	6,022	6,192	6,267	6,472	4.2	2.2	3.3
OCEANOGRAPHY	1,674	1,625	1,680	1,723	1,699	1,706	0.4	-0.5	0.4
ENVIRONMENTAL SCIENCES, N.E.C.	420	540	708	804	905	924	17.1	7.2	2.1
MATHEMATICAL SCIENCES	13,409	13,839	14,289	13,782	13,461	13,999	0.8	0.6	3.7
COMPUTER SCIENCE	3,776	4,175	4,506	4,404	4,618	5,275	6.9	9.4	14.2
MATHEMATICS AND APPLIED MATHEMATICS	8,387	8,244	8,369	7,903	7,439	7,270	-2.8	-4.1	-2.3
STATISTICS	1,246	1,420	1,474	1,475	1,404	1,614	2.6	-2.1	0.7
LIFE SCIENCES	54,650	59,236	61,649	64,138	64,847	66,536	4.0	1.9	2.6
AGRICULTURAL SCIENCES	8,493	9,497	10,165	10,429	10,222	10,264	3.9	-0.8	0.4
BIOLOGICAL SCIENCES	32,029	34,283	34,834	35,492	35,110	34,873	1.7	-0.9	-0.7
ANATOMY	964	1,000	1,041	1,060	1,036	1,042	1.6	-0.9	0.6
BIOCHEMISTRY	3,433	3,373	3,414	3,515	3,603	3,499	0.4	-0.2	-2.9
BIOLOGY	7,496	8,746	8,880	9,826	8,283	8,168	1.7	-3.8	-1.4
BIOMETRY/EPIDEMIOLOGY	559	589	522	657	733	743	5.9	6.3	1.4
BIOPHYSICS	646	708	667	620	562	556	-3.0	-5.3	-1.1
BOTANY	2,318	2,311	2,456	2,585	2,555	2,491	1.4	-1.8	-2.5
CELL BIOLOGY	461	541	564	552	610	660	7.4	9.3	8.2
ECOLOGY	512	656	724	816	844	704	6.6	-7.1	-16.6
ENTOMOLOGY/PARASITOLOGY	1,187	1,373	1,410	1,377	1,475	1,661	4.2	3.0	-0.9
GENETICS	736	753	759	878	847	807	1.9	-4.1	-4.7
MICROBIOLOGY	3,336	3,469	3,500	3,553	3,383	3,351	0.1	-2.9	-0.9
NUTRITION	2,143	2,155	2,327	2,606	2,691	2,804	5.5	3.7	4.2
PATHOLOGY	839	890	920	913	957	1,008	3.7	5.1	5.3
PHARMACOLOGY	1,293	1,505	1,571	1,622	1,704	1,786	6.7	4.9	4.8
PHYSIOLOGY	1,966	2,074	1,960	1,947	1,919	1,918	-0.5	-0.7	-0.1
ZOOLOGY	3,083	3,058	2,874	2,615	2,515	2,395	-4.9	-4.3	-4.8
BIOSCIENCES, N.E.C.	1,057	1,082	1,305	1,350	1,393	1,480	7.0	4.7	6.2
HEALTH SCIENCES	14,128	15,456	16,650	18,217	19,515	21,399	8.7	8.4	9.7
ANESTHESIOLOGY	59	55	5	3	7	18	-21.1	144.9	157.1
CARDIOLOGY	43	22	0	3	3	3	-41.3	0.0	0.0
CLINICAL PHARMACOLOGY	1	3	24	5	6	0	-100.0	-100.0	-100.0
DENTISTRY	859	1,054	990	1,024	1,015	1,184	6.6	7.5	16.7
ENDOCRINOLOGY	28	42	33	31	33	44	9.5	19.1	33.3
GASTROENTEROLOGY	46	11	8	8	5	0	-100.0	-100.0	-100.0
HEMATOLOGY	22	3	3	5	8	7	-20.5	18.3	-12.5
NEUROLOGY	138	193	160	174	189	173	4.6	-0.3	-8.5
NURSING	2,351	2,783	3,839	5,278	5,610	6,141	21.2	7.9	9.5
OBSTETRICS/GYNECOLOGY	57	51	52	25	23	33	-10.4	14.9	43.5
OPHTHALMOLOGY	40	24	8	8	2	3	-40.4	-38.8	50.0
OTORHINOLARYNGOLOGY	66	50	64	56	45	24	-18.3	-34.5	-46.7
PEDIATRICS	119	111	117	86	82	88	-5.9	1.2	7.3
PHARMACEUTICAL SCIENCES	1,349	1,473	1,416	1,575	1,560	1,640	4.0	2.0	5.1
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,638	3,115	3,339	3,145	3,506	3,943	8.4	12.0	12.5
PSYCHIATRY	205	168	142	144	132	164	-4.4	6.7	24.2
PULMONARY DISEASE	47	7	0	3	10	1	-53.7	-42.3	-90.0
RADIOLOGY	232	245	199	217	193	193	-3.6	-5.7	0.0
SPEECH PATHOLOGY/AUDIOLOGY ..	2,815	3,541	3,510	3,582	3,765	3,621	5.2	0.5	-3.8
SURGERY	107	114	107	83	76	59	-11.2	-15.7	-22.4
VETERINARY SCIENCES	506	529	598	675	627	748	8.1	5.3	19.3
CLINICAL MEDICINE, N.E.C.	970	406	373	526	497	518	-11.8	-0.8	4.2
HEALTH RELATED, N.E.C.	1,430	1,456	1,663	1,561	2,121	2,794	14.3	33.8	31.7
PSYCHOLOGY	18,906	19,775	21,546	21,413	20,620	20,705	1.8	-1.7	0.4
SOCIAL SCIENCES	45,607	50,719	49,723	50,805	49,543	51,734	2.6	0.9	4.4
AGRICULTURAL ECONOMICS	1,612	1,925	1,973	1,986	2,022	1,977	4.2	-0.2	-2.2
ANTHROPOLOGY	4,597	4,833	4,891	4,923	4,524	4,450	-0.6	-4.9	-1.6
ECONOMICS (EXCEPT AGRICULTURAL)	6,893	7,760	7,595	7,957	8,068	7,804	2.5	-1.0	-3.3
GEOGRAPHY	2,001	2,154	2,206	2,078	2,018	1,881	-1.2	-4.9	-6.8
HISTORY AND PHILOSOPHY OF SCIENCE	247	259	270	257	241	234	-1.1	-4.6	-2.9
LINGUISTICS	2,558	3,030	3,131	2,891	2,705	2,886	2.4	-0.1	6.7
POLITICAL SCIENCE	10,997	12,802	11,992	12,256	11,786	13,077	3.5	3.3	11.0
SOCIOLOGY	8,082	8,498	8,012	7,490	6,860	6,980	-2.9	-3.5	1.7
SOCIOLOGY/ANTHROPOLOGY	954	1,058	729	796	614	634	-7.8	-10.8	3.3
SOCIAL SCIENCES, N.E.C.	7,666	8,400	8,924	10,171	10,705	11,811	9.0	7.8	10.3

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-8. FULL-TIME GRADUATE STUDENTS IN PUBLIC DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	143,456	154,191	156,565	158,448	156,224	160,552	2.3	0.7	2.8
ENGINEERING	23,441	25,648	25,226	25,385	25,297	26,752	2.7	2.7	5.8
AERONAUTICAL	898	843	814	817	786	791	-2.5	-1.6	0.6
AGRICULTURAL	453	542	609	656	668	707	9.3	3.8	5.8
BIOMEDICAL	328	373	373	362	362	403	4.2	5.5	11.3
CHEMICAL	2,359	2,533	2,547	2,779	2,781	3,008	5.0	4.0	8.2
CIVIL	4,378	4,726	4,541	4,654	4,762	4,780	1.8	1.3	0.4
ELECTRICAL	5,038	5,507	5,402	5,562	5,373	5,616	2.2	0.5	4.5
ENGINEERING SCIENCE	1,148	1,345	1,331	1,143	1,095	1,160	0.2	0.7	5.9
INDUSTRIAL	2,295	2,587	2,382	2,285	2,215	2,434	1.2	3.2	9.9
MECHANICAL	2,988	3,152	3,014	2,930	3,075	3,271	1.8	5.7	6.4
METALLURGICAL/MATERIALS	1,032	1,113	1,187	1,239	1,253	1,373	5.5	5.3	9.6
MINING	215	273	325	369	339	283	5.7	-12.4	-16.5
NUCLEAR	827	975	966	911	875	834	0.2	-4.3	-8.7
PETROLEUM	143	169	222	222	248	216	8.8	-0.9	-12.1
ENGINEERING, N.E.C.	1,339	1,510	1,513	1,456	1,465	1,874	7.0	13.4	27.9
PHYSICAL SCIENCES	14,956	15,080	15,322	15,396	15,211	15,401	0.6	0.0	1.2
ASTRONOMY	397	386	342	322	319	333	-3.5	1.7	4.4
CHEMISTRY	8,509	8,697	9,035	9,172	9,213	9,327	1.9	0.8	1.2
PHYSICS	5,937	5,904	5,877	5,839	5,617	5,663	-0.9	-1.5	0.8
PHYSICAL SCIENCES, N.E.C.	113	93	68	63	62	78	-7.1	11.3	25.8
ENVIRONMENTAL SCIENCES	6,322	6,779	7,249	7,615	7,644	7,929	4.6	2.0	3.7
ATMOSPHERIC SCIENCES	772	819	824	814	772	759	-0.3	-3.4	-1.7
GEOSCIENCES	4,007	4,317	4,690	4,870	4,936	5,187	5.3	3.2	5.1
OCEANOGRAPHY	1,232	1,212	1,271	1,329	1,276	1,334	1.6	0.2	4.5
ENVIRONMENTAL SCIENCES, N.E.C.	311	431	464	602	660	649	15.9	3.8	-1.7
MATHEMATICAL SCIENCES	10,254	10,688	11,000	10,544	10,350	10,606	0.7	0.3	2.5
COMPUTER SCIENCE	3,044	3,375	3,682	3,526	3,707	4,148	6.4	8.5	11.9
MATHEMATICS AND APPLIED MATHEMATICS	6,214	6,161	6,106	5,786	5,459	5,264	-3.3	-4.6	-3.6
STATISTICS	996	1,152	1,212	1,232	1,184	1,194	3.7	-1.6	0.8
LIFE SCIENCES	43,472	47,399	49,287	50,930	51,006	51,932	3.6	1.0	1.8
AGRICULTURAL SCIENCES	8,236	9,217	9,882	10,142	9,926	9,927	3.8	-1.1	0.0
BIOLOGICAL SCIENCES	24,204	26,036	26,400	26,923	26,529	26,182	1.6	-1.4	-1.3
ANATOMY	631	679	711	720	690	688	1.7	-2.2	-0.3
BIOCHEMISTRY	2,371	2,358	2,408	2,468	2,474	2,366	0.0	-2.1	-4.4
BIOLOGY	4,935	5,817	5,895	5,919	5,552	5,459	2.0	-4.0	-1.7
BIOMETRY/EPIDEMIOLOGY	365	423	364	469	535	512	7.0	4.5	-4.3
BIOPHYSICS	381	394	348	312	310	304	-4.4	-1.3	-1.9
BOTANY	2,146	2,137	2,285	2,404	2,354	2,284	1.3	-2.5	-3.0
CELL BIOLOGY	250	291	312	352	389	432	11.6	10.8	11.1
ECOLOGY	453	596	658	758	784	652	7.6	-7.3	-16.8
ENTOMOLOGY/PARASITOLOGY	1,118	1,300	1,347	1,320	1,406	1,397	4.6	2.9	-0.6
GENETICS	612	582	608	696	680	644	1.0	-3.8	-5.3
MICROBIOLOGY	2,656	2,749	2,699	2,716	2,557	2,533	-0.9	-3.4	-0.9
NUTRITION	1,707	1,701	1,817	2,024	2,076	2,157	4.8	3.2	3.9
PATHOLOGY	529	591	577	594	646	671	4.9	6.3	3.9
PHARMACOLOGY	888	1,063	1,068	1,064	1,111	1,219	6.5	7.0	9.7
PHYSIOLOGY	1,411	1,536	1,432	1,422	1,391	1,333	-1.1	-3.2	-4.2
ZOOLOGY	2,896	2,872	2,697	2,455	2,330	2,202	-5.3	-5.3	-5.5
BIOSCIENCES, N.E.C.	855	947	1,174	1,230	1,244	1,329	9.2	3.9	6.8
HEALTH SCIENCES	11,032	12,146	13,005	13,865	14,551	15,823	7.5	6.8	8.7
ANESTHESIOLOGY	12	14	5	2	3	14	3.1	164.6	366.7
CARDIOLOGY	20	20	0	2	2	1	-45.1	-29.3	-50.0
CLINICAL PHARMACOLOGY	1	3	24	5	3	0	-100.0	-100.0	-100.0
DENTISTRY	503	621	645	692	677	695	6.7	0.2	2.7
ENDOCRINOLOGY	25	41	32	31	30	44	12.0	19.1	46.7
GASTROENTEROLOGY	38	11	8	8	5	0	-100.0	-100.0	-100.0
HEMATOLOGY	21	3	3	1	3	3	-32.2	73.2	0.0
NEUROLOGY	49	58	51	72	80	79	10.0	4.7	-1.3
NURSING	2,157	2,496	3,100	3,816	4,145	4,410	15.4	7.5	6.4
OBSTETRICS/GYNECOLOGY	51	43	37	17	16	20	-17.1	8.5	25.0
OPHTHALMOLOGY	21	5	3	6	1	1	-45.6	-59.2	0.0
OTORHINOLARYNGOLOGY	44	36	48	31	30	22	-12.9	-15.8	-26.7
PEDIATRICS	93	95	104	67	64	66	-6.6	-0.7	3.1
PHARMACEUTICAL SCIENCES	1,194	1,248	1,278	1,378	1,364	1,407	3.3	1.0	3.2
PREVENTIVE MEDICINE/COMMUNITY HEALTH	2,004	2,232	2,443	2,257	2,528	2,964	8.1	14.6	17.2
PSYCHIATRY	100	75	54	76	78	122	4.1	26.7	56.4
PULMONARY DISEASE	24	5	0	3	9	1	-47.0	-42.3	-88.9
RADIOLOGY	209	226	185	205	183	183	-2.6	-5.5	0.0
SPEECH PATHOLOGY/AUDIOLOGY	2,401	3,079	3,073	3,173	3,331	3,095	5.2	-1.2	-7.1
SURGERY	97	94	76	61	63	46	-13.9	-13.2	-27.0
VETERINARY SCIENCES	467	479	545	612	565	685	8.0	5.8	21.2
CLINICAL MEDICINE, N.E.C.	538	265	237	293	267	281	-12.2	-2.1	5.2
HEALTH RELATED, N.E.C.	963	997	1,054	1,057	1,104	1,684	11.8	26.2	52.5
PSYCHOLOGY	12,965	13,365	13,901	13,615	12,912	12,820	-0.2	-3.0	-0.7
SOCIAL SCIENCES	32,046	35,232	34,580	34,963	33,804	35,112	1.8	0.2	3.9
AGRICULTURAL ECONOMICS	1,472	1,807	1,856	1,871	1,897	1,832	4.5	-1.0	-3.4
ANTHROPOLOGY	3,216	3,422	3,585	3,586	3,278	3,304	0.5	-4.0	0.8
ECONOMICS (EXCEPT AGRICULTURAL)	4,343	5,034	4,927	4,937	4,935	4,833	2.2	-1.1	-2.1
GEOGRAPHY	1,760	1,891	1,956	1,851	1,776	1,685	-0.9	-4.6	-5.1
HISTORY AND PHILOSOPHY OF SCIENCE	140	127	135	135	132	131	-1.3	-1.5	-0.8
LINGUISTICS	1,885	2,003	2,102	2,113	1,944	1,858	-0.3	-6.2	-4.4
POLITICAL SCIENCE	6,672	7,558	6,894	6,970	6,523	7,110	1.3	1.0	9.0
SOCIOLOGY	6,016	6,382	5,936	5,528	5,095	5,151	-3.1	-3.5	1.1
SOCIOLOGY/ANTHROPOLOGY	638	785	455	519	386	393	-9.2	-13.0	1.8
SOCIAL SCIENCES, N.E.C.	5,904	6,223	6,734	7,453	7,838	8,815	8.3	8.8	12.5

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-9. FULL-TIME GRADUATE STUDENTS IN PRIVATE DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	52,450	56,631	58,164	59,997	60,625	63,505	3.9	2.9	4.8
ENGINEERING	10,276	11,490	11,211	11,396	11,729	12,530	4.0	4.9	6.8
AERONAUTICAL	360	387	312	341	340	351	-0.5	1.5	3.2
AGRICULTURAL	35	35	32	36	40	37	1.1	1.4	-7.5
BIOMEDICAL	340	385	346	323	348	392	2.9	10.2	12.6
CHEMICAL	959	1,057	1,190	1,237	1,284	1,343	7.0	4.2	4.6
CIVIL	1,488	1,865	1,541	1,566	1,613	1,706	2.8	4.4	5.8
ELECTRICAL	2,612	2,626	2,601	2,717	2,805	3,167	3.9	8.0	9.8
ENGINEERING SCIENCE	930	936	952	960	952	915	-0.0	-0.5	-10.5
INDUSTRIAL	1,310	1,915	1,654	1,527	1,499	1,605	4.1	2.5	7.1
MECHANICAL	1,225	1,272	1,455	1,540	1,527	1,724	7.1	5.8	12.9
METALLURGICAL/MATERIALS	662	707	704	737	741	790	3.6	3.5	6.6
MINING	66	77	88	81	82	78	3.4	-1.9	-4.9
NUCLEAR	234	292	267	254	292	278	3.5	4.6	-4.8
PETROLEUM	118	89	129	118	128	149	4.8	12.4	16.4
ENGINEERING, N.E.C.	437	447	540	559	598	595	6.4	3.2	-0.5
PHYSICAL SCIENCES	6,460	6,363	6,465	6,537	6,446	6,521	0.2	-0.1	1.2
ASTRONOMY	167	184	183	178	173	176	1.1	-0.6	1.7
CHEMISTRY	3,189	3,269	3,324	3,394	3,423	3,463	1.7	1.0	1.2
PHYSICS	3,074	2,892	2,931	2,934	2,812	2,852	-1.5	-1.4	1.4
PHYSICAL SCIENCES, N.E.C.	30	18	27	31	38	30	C.C.	-1.6	-21.1
ENVIRONMENTAL SCIENCES	1,879	1,893	2,049	1,978	2,051	1,990	1.2	0.3	-3.0
ATMOSPHERIC SCIENCES	75	73	64	60	52	58	-5.0	-1.7	11.5
GEOSCIENCES	1,253	1,298	1,332	1,322	1,331	1,285	0.5	-1.4	-3.5
OCEANOGRAPHY	442	413	409	394	423	372	-3.4	-2.8	-12.1
ENVIRONMENTAL SCIENCES, N.E.C.	109	109	244	202	245	275	20.3	16.7	12.2
MATHEMATICAL SCIENCES	3,155	3,151	3,289	3,238	3,111	3,353	1.2	1.8	7.8
COMPUTER SCIENCE	732	800	824	878	911	1,127	9.0	13.3	23.7
MATHEMATICS AND APPLIED MATHEMATICS	2,173	2,083	2,263	2,117	1,980	2,006	-1.6	-2.7	1.3
STATISTICS	250	268	262	243	220	220	-2.5	-4.9	0.3
LIFE SCIENCES	11,178	11,837	12,362	13,208	13,841	14,804	5.5	5.2	5.5
AGRICULTURAL SCIENCES	257	280	283	287	296	337	5.6	8.4	13.9
BIOLOGICAL SCIENCES	7,825	8,247	8,434	8,569	8,581	8,691	2.1	0.7	1.3
ANATOMY	333	321	330	340	346	354	1.2	2.0	2.3
BIOCHEMISTRY	1,362	1,015	1,006	1,047	1,129	1,133	1.3	4.0	0.4
BIOLOGY	2,561	2,929	2,985	2,907	2,731	2,709	1.1	-3.5	-6.8
BIOMETRY/EPIDEMIOLOGY	194	166	158	188	198	231	3.6	10.8	16.7
BIOPHYSICS	265	314	319	308	252	252	-1.0	-9.5	0.0
BOTANY	172	174	171	181	201	207	3.8	6.9	3.0
CELL BIOLOGY	211	250	192	200	221	228	1.6	6.8	3.2
ECOLOGY	59	60	66	58	60	52	-2.5	-5.3	-13.3
ENTOMOLOGY/PARASITOLOGY	69	73	63	57	69	64	-1.5	6.0	-7.2
GENETICS	124	171	151	182	167	163	5.6	-5.4	-2.4
MICROBIOLOGY	680	720	801	837	826	818	3.8	-1.1	-1.0
NUTRITION	436	454	510	582	615	647	8.2	5.4	5.2
PATHOLOGY	310	299	343	319	311	337	1.7	2.8	8.4
PHARMACOLOGY	405	442	503	558	593	567	7.0	0.8	-4.4
PHYSIOLOGY	555	538	528	525	528	585	1.1	5.6	10.8
ZOOLOGY	187	186	177	160	185	193	0.6	9.8	4.3
BIOSCIENCES, N.E.C.	202	135	131	120	149	151	-5.7	12.2	1.3
HEALTH SCIENCES	3,096	3,310	3,645	4,352	4,964	5,576	12.5	13.2	12.3
ANESTHESIOLOGY	47	41	0	1	4	4	-38.9	100.0	0.0
CARDIOLOGY	23	2	0	1	1	2	-38.6	41.4	100.0
CLINICAL PHARMACOLOGY	0	0	0	0	3	0	0	0	-100.0
DENTISTRY	356	433	345	332	338	489	6.6	21.4	44.7
ENDOCRINOLOGY	3	1	1	0	3	0	-100.0	0	-100.0
GASTROENTEROLOGY	8	0	0	0	0	0	-100.0	0	0
HEMATOLOGY	1	0	0	4	5	4	32.0	0.0	-20.0
NEUROLOGY	89	135	109	102	109	94	1.1	-4.0	-13.8
NURSING	194	287	739	1,462	1,465	1,731	54.9	8.8	18.2
OBSTETRICS/GYNECOLOGY	6	8	15	8	7	13	16.7	27.5	89.7
OPHTHALMOLOGY	19	19	5	2	1	2	-36.3	0.0	100.0
OTORHINOLARYNGOLOGY	22	14	16	25	15	2	-38.1	-71.7	-86.7
PEDIATRICS	26	16	13	19	18	22	-3.3	7.6	22.2
PHARMACEUTICAL SCIENCES	155	225	138	197	196	233	8.5	8.8	18.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	634	883	896	888	978	979	9.1	5.0	0.1
PSYCHIATRY	105	93	88	68	54	42	-16.7	-21.4	-22.2
PULMONARY DISEASE	23	2	0	0	1	0	-100.0	0	-100.0
RADIOLOGY	23	19	14	12	10	10	-15.3	-8.7	0.0
SPEECH PATHOLOGY/AUDIOLOGY	414	462	437	409	434	526	4.9	13.4	21.2
SURGERY	10	20	31	22	13	13	5.4	-23.1	0.0
VETERINARY SCIENCES	39	50	53	63	62	63	10.1	0.0	1.6
CLINICAL MEDICINE, N.E.C.	432	141	136	233	230	237	-11.3	0.9	3.0
HEALTH RELATED, N.E.C.	467	459	609	504	1,017	1,110	18.9	48.4	9.1
PSYCHOLOGY	5,941	6,410	7,645	7,798	7,708	7,885	5.8	0.6	2.3
SOCIAL SCIENCES	13,561	15,487	15,143	15,842	15,739	16,622	4.2	2.4	5.6
AGRICULTURAL ECONOMICS	140	118	117	115	125	145	0.7	12.3	16.0
ANTHROPOLOGY	1,381	1,411	1,306	1,337	1,246	1,146	-3.7	-7.4	-8.0
ECONOMICS (EXCEPT AGRICULTURAL)	2,550	2,726	2,668	3,020	3,133	2,971	3.1	-0.8	-5.2
GEOGRAPHY	241	263	250	227	242	196	-4.0	-7.1	-19.0
HISTORY AND PHILOSOPHY OF SCIENCE	107	132	135	122	109	103	-0.8	-8.1	-5.5
LINGUISTICS	673	1,027	1,029	778	761	1,028	8.8	14.9	35.1
POLITICAL SCIENCE	4,325	5,244	5,098	5,286	5,263	5,967	6.6	6.2	13.4
SOCIOLOGY	2,066	2,116	2,076	1,962	1,765	1,829	-2.4	-3.4	3.6
SOCIOLOGY/ANTHROPOLOGY	316	273	274	277	228	241	-5.3	-6.7	5.7
SOCIAL SCIENCES, N.E.C.	1,762	2,177	2,190	2,718	2,867	2,996	11.2	5.0	4.5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-1C. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	73,745	79,459	78,458	80,713	74,456	73,263	-1.1	-4.7	-1.6
ENGINEERING	14,690	16,506	15,838	15,837	14,557	14,637	-1.1	-3.9	0.5
AERONAUTICAL	432	479	396	408	411	399	-1.6	-1.1	-2.9
AGRICULTURAL	203	259	265	278	248	223	1.9	-10.4	-10.1
BIOMEDICAL	276	260	276	241	256	243	-2.5	0.4	-5.1
CHEMICAL	1,270	1,432	1,570	1,707	1,527	1,494	3.3	-6.4	-2.2
CIVIL	3,104	3,281	3,556	3,112	2,710	2,571	-3.7	-9.1	-5.1
ELECTRICAL	3,335	3,623	3,413	3,512	3,269	3,516	1.1	0.1	7.6
ENGINEERING SCIENCE	551	517	577	476	421	412	-5.6	-7.0	-2.1
INDUSTRIAL	1,597	2,265	1,929	1,910	1,732	1,571	-1.3	-9.3	-9.3
MECHANICAL	1,848	2,064	2,027	2,023	1,914	2,039	2.0	0.4	6.5
METALLURGICAL/MATERIALS	532	575	562	593	590	671	4.8	6.4	13.7
MINING	119	164	192	175	139	121	0.3	-16.8	-12.9
NUCLEAR	469	565	415	390	374	286	-9.4	-14.4	-23.5
PETROLEUM	98	104	184	142	124	127	5.3	-5.4	2.4
ENGINEERING, N.E.C.	856	918	976	870	842	964	2.4	5.3	14.5
PHYSICAL SCIENCES	5,861	6,027	6,106	6,225	5,776	5,506	-1.2	-6.0	-4.7
ASTRONOMY	125	117	102	123	106	115	-1.7	-3.3	8.5
CHEMISTRY	3,315	3,555	3,677	3,736	3,500	3,257	-1.4	-6.6	-6.9
PHYSICS	2,343	2,302	2,287	2,333	2,118	2,098	-2.2	-5.2	-0.9
PHYSICAL SCIENCES, N.E.C.	78	53	40	33	52	36	-14.3	4.4	-30.8
ENVIRONMENTAL SCIENCES	2,832	3,103	3,218	3,264	3,102	3,116	1.9	-2.3	0.5
ATMOSPHERIC SCIENCES	300	324	288	310	268	248	-3.7	-10.6	-7.5
GEOSCIENCES	1,818	2,038	2,123	2,127	1,957	2,024	2.2	-2.5	3.4
OCEANOGRAPHY	505	457	468	457	465	469	-1.5	1.3	0.9
ENVIRONMENTAL SCIENCES, N.E.C.	209	284	339	370	412	375	12.4	0.7	-9.0
MATHEMATICAL SCIENCES	4,966	5,325	5,122	5,153	4,715	4,689	-1.1	-4.6	-0.6
COMPUTER SCIENCE	1,530	1,893	1,765	1,853	1,806	2,023	5.7	4.5	12.0
MATHEMATICS AND APPLIED MATHEMATICS	3,004	2,914	2,874	2,831	2,493	2,220	-5.9	-11.4	-11.0
STATISTICS	432	518	483	469	416	446	0.6	-2.5	7.2
LIFE SCIENCES	21,772	23,038	23,349	24,092	22,554	21,942	0.2	-4.6	-2.7
AGRICULTURAL SCIENCES	3,508	3,904	4,068	3,983	3,397	3,171	-2.0	-10.8	-6.7
BIOLOGICAL SCIENCES	10,507	11,190	10,763	10,681	9,746	9,079	-2.9	-7.8	-6.8
ANATOMY	308	290	290	270	236	228	-5.8	-8.1	-3.4
BIOCHEMISTRY	955	948	902	897	841	798	-3.5	-5.7	-5.1
BIOLOGY	2,641	3,135	3,078	2,991	2,452	2,411	-1.8	-10.2	-1.7
BIOMETRY/EPIDEMIOLOGY	229	218	191	211	265	263	2.8	11.6	-0.8
BIOPHYSICS	159	149	137	127	105	80	-12.8	-20.6	-23.8
BOTANY	710	687	764	732	662	561	-4.6	-12.5	-15.3
CELL BIOLOGY	101	173	123	151	155	137	6.3	-4.7	-11.6
ECOLOGY	160	210	182	181	187	169	1.1	-3.4	-9.6
ENTOMOLOGY/PARASITOLOGY	321	487	414	399	388	370	2.9	-3.7	-4.6
GENETICS	232	220	216	250	211	171	-3.3	-17.3	-19.0
MICROBIOLOGY	1,132	1,094	1,037	1,024	860	821	-6.2	-10.5	-4.5
NUTRITION	918	908	907	1,078	1,028	1,023	2.2	-2.6	-0.5
PATHOLOGY	285	273	281	259	265	254	-2.3	-1.0	-4.2
PHARMACOLOGY	428	461	437	409	412	428	0.0	2.3	3.9
PHYSIOLOGY	666	640	531	547	528	479	-6.4	-6.4	-9.3
ZOOLOGY	964	878	829	695	732	538	-11.0	-12.0	-28.5
BIOSCIENCES, N.E.C.	328	399	444	460	419	348	1.2	-13.0	-16.9
HEALTH SCIENCES	7,757	7,944	8,518	9,428	9,411	9,692	4.6	1.4	3.0
ANESTHESIOLOGY	32	19	1	3	4	6	-28.5	41.4	50.0
CARDIOLOGY	17	12	0	1	0	1	-43.3	0.0	0.0
CLINICAL PHARMACOLOGY	0	3	7	4	1	0	0.0	-100.0	-100.0
DENTISTRY	384	448	428	428	441	446	3.0	2.1	1.1
ENDOCRINOLOGY	7	8	13	9	8	9	5.2	0.0	12.5
GASTROENTEROLOGY	18	6	4	4	0	0	-100.0	-100.0	0.0
HEMATOLOGY	6	3	1	0	2	2	-19.7	0.0	0.0
NEUROLOGY	33	41	31	44	40	29	-2.6	-18.8	-27.5
NURSING	1,997	1,596	2,364	3,161	3,016	3,322	15.8	2.5	10.1
OBSTETRICS/GYNECOLOGY	22	21	22	11	8	8	-18.3	-14.7	0.0
OPHTHALMOLOGY	17	6	2	1	0	0	-100.0	-100.0	-100.0
OTORHINOLARYNGOLOGY	11	12	22	21	13	1	-38.1	-78.2	-92.3
PEDIATRICS	56	66	88	60	47	58	0.7	-1.7	23.4
PHARMACEUTICAL SCIENCES	513	518	477	564	485	472	-1.7	-8.5	-2.7
PREVENTIVE MEDICINE/COMMUNITY HEALTH	1,558	1,873	1,938	1,800	1,937	2,096	6.1	7.9	8.2
PSYCHIATRY	65	51	42	29	30	34	-12.2	8.3	13.3
PULMONARY DISEASE	32	3	0	2	4	0	-100.0	-100.0	-100.0
RADIOLOGY	101	100	81	79	51	57	-10.8	-15.1	11.8
SPEECH PATHOLOGY/AUDIOLOGY	1,808	1,991	1,817	1,845	1,738	1,550	-3.0	-8.3	-10.8
SURGERY	42	32	34	20	14	13	-20.9	-19.4	-7.1
VETERINARY SCIENCES	183	196	249	254	196	238	5.4	-3.2	21.4
CLINICAL MEDICINE, N.E.C.	475	179	177	246	240	241	-12.7	-1.0	0.4
HEALTH RELATED, N.E.C.	780	760	720	842	1,135	1,109	7.3	14.8	-2.3
PSYCHOLOGY	5,907	5,814	6,066	6,188	5,539	5,455	-1.6	-6.1	-1.5
SOCIAL SCIENCES	17,717	19,646	18,759	19,954	18,213	17,918	0.2	-5.2	-1.6
AGRICULTURAL ECONOMICS	622	718	735	761	698	691	2.1	-4.7	-1.0
ANTHROPOLOGY	1,361	1,266	1,334	1,326	1,137	1,101	-4.2	-8.9	-3.2
ECONOMICS (EXCEPT AGRICULTURAL)	2,576	2,946	2,796	2,907	2,810	2,410	-1.3	-8.9	-14.2
GEOGRAPHY	728	816	821	789	681	653	-2.2	-9.0	-4.1
HISTORY AND PHILOSOPHY OF SCIENCE	74	62	73	60	53	43	-10.3	-15.3	-18.9
LINGUISTICS	1,125	1,259	1,314	1,138	938	953	-3.3	-8.5	1.4
POLITICAL SCIENCE	4,563	5,309	4,847	5,390	4,524	5,209	2.7	-1.3	15.1
SOCIOLOGY	2,832	2,925	2,593	2,552	2,233	2,034	-6.4	-10.7	-8.9
SOCIOLOGY/ANTHROPOLOGY	367	413	275	289	218	194	-12.0	-18.1	-11.0
SOCIAL SCIENCES, N.E.C.	3,469	3,932	3,971	4,782	4,921	4,630	5.9	-1.6	-5.9

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-11. FULL-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	122,161	131,363	136,271	137,732	142,393	150,794	4.3	4.6	5.9
ENGINEERING	19,327	20,632	20,599	20,944	22,469	24,645	5.3	8.5	9.7
AERONAUTICAL	826	751	730	750	715	743	-2.1	-0.5	3.9
AGRICULTURAL	285	318	376	414	460	521	12.8	12.2	13.3
BIOMEDICAL	392	498	443	444	454	552	7.1	11.5	21.6
CHEMICAL	2,348	2,158	2,167	2,309	2,538	2,857	6.9	11.2	12.6
CIVIL	2,762	3,310	3,026	3,108	3,665	3,915	7.2	12.2	6.8
ELECTRICAL	4,315	4,510	4,590	4,767	4,989	5,267	4.1	5.1	5.6
ENGINEERING SCIENCE	1,327	1,164	1,106	1,027	1,026	1,063	0.7	1.7	3.6
INDUSTRIAL	2,308	2,237	2,107	1,902	1,982	2,468	4.2	13.9	24.5
MECHANICAL	2,365	2,360	2,442	2,447	2,688	2,956	4.6	9.9	10.0
METALLURGICAL/MATERIALS	1,162	1,245	1,329	1,383	1,454	1,492	5.1	3.9	6.3
MINING	162	186	221	275	282	240	8.2	-8.6	-14.9
NUCLEAR	592	702	818	775	793	826	6.9	3.2	4.2
PETROLEUM	163	154	167	198	252	240	8.0	10.1	-4.8
ENGINEERING, N.E.C.	920	1,039	1,077	1,145	1,221	1,505	10.3	14.6	23.3
PHYSICAL SCIENCES	15,555	15,416	15,681	15,708	15,881	16,416	1.1	2.2	3.4
ASTRONOMY	439	453	423	377	366	394	-2.1	2.2	2.1
CHEMISTRY	8,383	8,411	8,682	8,830	9,136	9,533	2.6	3.9	4.3
PHYSICS	6,668	6,494	6,521	6,440	6,311	6,417	-0.8	-0.2	1.7
PHYSICAL SCIENCES, N.E.C.	65	58	55	61	48	72	2.1	8.6	50.0
ENVIRONMENTAL SCIENCES	5,369	5,569	6,080	6,329	6,593	6,803	4.8	3.7	3.2
ATMOSPHERIC SCIENCES	547	568	600	564	556	569	0.8	0.4	2.3
GEOSCIENCES	3,442	3,577	3,899	4,065	4,310	4,448	5.3	4.6	3.2
OCEANOGRAPHY	1,169	1,168	1,212	1,266	1,234	1,237	1.1	-1.2	0.2
ENVIRONMENTAL SCIENCES, N.E.C.	211	256	369	434	493	549	21.1	12.5	11.4
MATHEMATICAL SCIENCES	8,443	8,514	9,167	8,629	8,746	9,270	1.9	3.6	6.0
COMPUTER SCIENCE	2,246	2,282	2,741	2,551	2,812	3,252	7.7	12.9	15.6
MATHEMATICS AND APPLIED MATHEMATICS	5,383	5,330	5,435	5,072	4,946	5,050	-1.3	-0.2	2.1
STATISTICS	814	902	991	1,006	988	968	3.5	-1.9	-2.0
LIFE SCIENCES	32,878	36,198	38,300	40,046	42,293	44,594	6.3	5.5	5.4
AGRICULTURAL SCIENCES	4,985	5,593	6,097	6,446	6,825	7,093	7.3	4.9	3.9
BIOLOGICAL SCIENCES	21,522	23,093	24,071	24,811	25,364	25,794	3.7	2.0	1.7
ANATOMY	656	710	751	790	800	814	4.4	1.5	1.7
BIOCHEMISTRY	2,478	2,425	2,512	2,618	2,762	2,701	1.7	1.6	-2.2
BIOLOGY	4,855	5,611	5,802	5,835	5,831	5,757	3.5	-0.7	-1.3
BIOMETRY/EPIDEMIOLOGY	330	371	331	446	468	480	7.8	3.7	2.6
BIOPHYSICS	487	539	530	493	457	476	-0.5	-1.7	4.2
BOTANY	1,608	1,624	1,692	1,853	1,893	1,930	3.7	2.1	2.0
CELL BIOLOGY	360	368	381	401	455	523	7.8	14.2	14.9
ECOLOGY	352	446	542	635	657	535	8.7	-8.2	-18.6
ENTOMOLOGY/PARASITOLOGY	866	886	996	978	1,087	1,091	4.7	5.6	0.4
GENETICS	534	533	543	628	636	636	3.6	0.6	0.0
MICROBIOLOGY	2,204	2,375	2,463	2,529	2,523	2,530	2.8	0.0	0.3
NUTRITION	1,225	1,247	1,420	1,528	1,663	1,781	7.8	8.0	7.1
PATHOLOGY	554	617	639	654	692	754	6.4	7.4	9.0
PHARMACOLOGY	865	1,044	1,134	1,213	1,292	1,358	9.4	5.8	5.1
PHYSIOLOGY	1,300	1,434	1,429	1,400	1,391	1,439	2.1	1.4	3.5
ZOOLOGY	2,119	2,180	2,045	1,920	1,783	1,857	-2.6	-1.7	4.2
BIOSCIENCES, N.E.C.	729	683	861	890	974	1,132	9.2	12.8	16.2
HEALTH SCIENCES	6,371	7,512	8,132	8,789	10,104	11,707	12.9	15.4	15.9
ANESTHESIOLOGY	27	36	4	0	3	12	-15.0	0.0	300.0
CARDIOLOGY	26	10	0	2	3	2	-40.1	0.0	-33.3
CLINICAL PHARMACOLOGY	1	0	17	1	5	0	-100.0	-100.0	-100.0
DENTISTRY	475	606	562	596	574	738	9.2	11.3	28.6
ENDOCRINOLOGY	21	34	20	22	25	35	16.0	26.1	40.0
GASTROENTEROLOGY	28	5	4	4	5	0	-100.0	-100.0	-100.0
HEMATOLOGY	16	0	2	5	6	5	-20.8	0.0	-16.7
NEUROLOGY	105	152	129	130	149	144	6.5	5.2	-3.4
NURSING	754	1,187	1,475	2,117	2,594	2,819	30.2	15.4	8.7
OBSTETRICS/GYNECOLOGY	35	30	30	14	15	25	-6.5	33.6	66.7
OPHTHALMOLOGY	23	18	6	7	1	3	-33.5	-34.5	200.0
OTORHINOLARYNGOLOGY	55	38	42	35	32	23	-16.0	-18.9	-28.1
PEDIATRICS	63	45	29	26	35	30	-13.8	7.4	-14.3
PHARMACEUTICAL SCIENCES	836	955	939	1,011	1,075	1,168	6.9	7.5	8.7
PREVENTIVE MEDICINE/COMMUNITY HEALTH	1,080	1,242	1,401	1,345	1,569	1,847	11.3	17.2	17.7
PSYCHIATRY	140	117	100	115	102	130	-1.5	6.3	27.5
PULMONARY DISEASE	15	4	0	1	6	1	-41.8	0.0	-83.3
RADIOLOGY	131	145	118	138	142	136	0.8	-0.7	-4.2
SPEECH PATHOLOGY/AUDIOLOGY	1,007	1,550	1,693	1,737	2,027	2,071	15.5	9.2	2.2
SURGERY	65	82	73	63	62	46	-6.7	-14.6	-25.8
VETERINARY SCIENCES	323	333	349	421	431	510	9.6	10.1	18.3
CLINICAL MEDICINE, N.E.C.	495	227	196	280	257	277	-11.0	-0.5	7.8
HEALTH RELATED, N.E.C.	650	696	943	719	986	1,685	21.0	53.1	70.9
PHYSIOLOGY	12,999	13,961	15,480	15,225	15,081	15,250	3.2	0.1	1.1
SOCIAL SCIENCES	27,890	31,073	30,964	30,851	31,330	33,816	3.9	4.7	7.9
AGRICULTURAL ECONOMICS	990	1,207	1,238	1,225	1,324	1,286	5.4	2.5	-2.9
ANTHROPOLOGY	3,236	3,567	3,557	3,597	3,387	3,349	0.7	-3.5	-1.1
ECONOMICS (EXCEPT AGRICULTURAL)	4,917	4,814	4,799	5,050	5,258	5,394	4.6	3.3	2.6
GEOGRAPHY	1,273	1,338	1,385	1,289	1,337	1,228	-0.7	-2.4	-8.2
HISTORY AND PHILOSOPHY OF SCIENCE	173	197	197	197	188	191	2.0	-1.5	1.6
LINGUISTICS	1,433	1,771	1,817	1,753	1,767	1,933	6.2	5.0	9.4
POLITICAL SCIENCE	6,434	7,493	7,145	6,906	7,262	7,868	4.1	6.7	8.3
SOCIOLOGY	5,250	5,573	5,419	4,938	4,627	4,946	-1.2	0.1	6.9
SOCIOLOGY/ANTHROPOLOGY	587	645	454	507	396	440	-5.6	-6.8	11.1
SOCIAL SCIENCES, N.E.C.	4,197	4,468	4,953	5,389	5,784	7,181	11.3	15.4	24.2

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-12. MAJORITY FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	149,576	158,557	156,853	155,233	152,772	0.4	-0.8
ENGINEERING	32,350	35,257	34,404	34,454	35,947	2.1	2.1
AERONAUTICAL	1,240	1,207	1,104	1,132	1,108	-2.2	-1.1
AGRICULTURAL	481	564	617	659	703	7.9	3.3
BIOLOGICAL	633	712	664	617	685	1.6	5.4
CHEMICAL	3,206	3,398	3,477	3,682	3,872	3.8	2.5
CIVIL	5,567	6,257	5,762	5,807	5,838	1.0	0.3
ELECTRICAL	7,438	7,910	7,715	7,910	8,345	2.3	2.7
ENGINEERING SCIENCE	1,516	1,611	1,588	1,427	1,370	-2.0	-2.0
INDUSTRIAL	3,337	3,996	3,597	3,353	3,476	0.8	1.8
MECHANICAL	4,147	4,325	4,370	4,351	4,780	2.9	4.8
METALLURGICAL/MATERIALS	1,620	1,725	1,782	1,833	1,945	3.7	3.0
MINING	272	331	396	422	333	4.1	-11.2
NUCLEAR	1,022	1,220	1,184	1,119	1,035	0.3	-3.8
PETROLEUM	255	253	341	328	335	5.6	1.1
ENGINEERING, N.E.C.	1,616	1,748	1,807	1,814	2,122	5.6	8.2
PHYSICAL SCIENCES	18,837	18,742	18,853	18,873	18,600	-0.3	-0.7
ASTRONOMY	503	510	471	440	452	-2.1	1.4
CHEMISTRY	9,837	9,971	10,173	10,286	10,317	1.0	0.2
PHYSICS	8,416	8,262	8,154	8,093	7,778	-1.6	-2.0
PHYSICAL SCIENCES, N.E.C.	81	59	55	54	53	-8.1	-0.9
ENVIRONMENTAL SCIENCES	7,231	7,515	7,802	7,981	7,854	1.7	-0.8
ATMOSPHERIC SCIENCES	792	835	812	798	726	-1.7	-4.6
GEOSCIENCES	4,605	4,812	5,055	5,166	5,126	2.2	-0.4
OCEANOGRAPHY	1,482	1,440	1,416	1,422	1,354	-1.8	-2.4
ENVIRONMENTAL SCIENCES, N.E.C.	352	428	519	595	648	13.0	4.4
MATHEMATICAL SCIENCES	10,897	11,128	11,406	10,987	11,063	0.3	0.3
COMPUTER SCIENCE	3,272	3,572	3,813	3,693	4,316	5.7	8.1
MATHEMATICS AND APPLIED MATHEMATICS	6,666	6,465	6,469	6,165	5,660	-3.2	-4.2
STATISTICS	959	1,091	1,124	1,129	1,087	2.5	-1.9
LIFE SCIENCES	37,513	39,862	39,491	39,285	37,727	0.1	-2.0
AGRICULTURAL SCIENCES	7,467	8,194	8,529	8,466	7,917	1.2	-3.3
BIOLOGICAL SCIENCES	22,935	24,404	24,128	23,906	22,432	-0.4	-3.1
ANATOMY	720	703	714	705	651	-2.0	-3.9
BIOCHEMISTRY	2,612	2,547	2,500	2,524	2,415	-1.6	-2.2
BIOLOGY	5,237	6,196	6,107	5,963	5,325	0.3	-5.5
BIOMETRY/EPIDEMIOLOGY	362	364	312	412	417	2.9	0.6
BIOPHYSICS	536	572	536	494	454	-3.3	-4.1
BOTANY	1,681	1,644	1,678	1,768	1,677	0.0	-2.6
CELL BIOLOGY	311	363	332	360	416	6.0	7.5
ECOLOGY	404	535	538	619	527	5.5	-7.7
ENTOMOLOGY/PARASITOLOGY	1,025	1,186	1,204	1,140	1,169	2.7	1.3
GENETICS	476	458	437	504	441	-1.5	-6.5
MICROBIOLOGY	2,232	2,335	2,269	2,293	2,000	-2.2	-6.6
NUTRITION	1,056	1,057	1,125	1,097	1,056	0.0	-1.9
PATHOLOGY	621	649	618	601	678	1.8	6.2
PHARMACOLOGY	1,020	1,159	1,184	1,199	1,283	4.7	3.4
PHYSIOLOGY	1,526	1,585	1,496	1,473	1,373	-2.1	-3.5
ZOOLOGY	2,275	2,248	2,135	1,835	1,607	-6.7	-6.4
BIOLOGICAL SCIENCES, N.E.C.	841	803	943	919	943	2.3	1.3
HEALTH SCIENCES	7,111	7,264	6,834	6,913	7,378	0.7	3.3
ANESTHESIOLOGY	53	34	3	2	7	-33.3	87.1
CARDIOLOGY	40	17	0	2	3	-40.0	22.5
CLINICAL PHARMACOLOGY	1	2	21	4	0	-100.0	-100.0
DENTISTRY	789	941	858	884	959	4.0	4.2
ENDOCRINOLOGY	19	29	22	21	28	8.1	15.5
GASTROENTEROLOGY	41	11	8	8	0	-100.0	-100.0
HEMATOLOGY	21	1	1	2	5	-25.0	58.1
NEUROLOGY	99	147	113	122	119	3.7	-1.2
NURSING	104	100	156	258	336	26.4	14.1
OBSTETRICS/GYNECOLOGY	31	37	38	16	24	-5.0	22.5
OPHTHALMOLOGY	36	21	6	4	2	-43.9	-29.3
OTORHINOLARYNGOLOGY	56	44	54	35	22	-17.0	-20.7
PEDIATRICS	43	59	50	32	17	-16.9	-27.1
PHARMACEUTICAL SCIENCES	1,109	1,207	1,111	1,202	1,213	1.8	0.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,606	1,786	1,757	1,654	1,775	2.0	3.6
PSYCHIATRY	161	106	80	87	93	-10.4	3.4
PULMONARY DISEASE	43	7	0	3	0	-100.0	-100.0
RADIOLOGY	203	208	163	177	146	-6.4	-9.2
SPEECH PATHOLOGY/AUDIOLOGY ..	719	894	832	756	534	-5.8	-16.0
SURGERY	83	97	92	69	51	-9.3	-14.0
VETERINARY SCIENCES	415	416	455	509	518	4.5	0.9
CLINICAL MEDICINE, N.E.C.	673	310	230	285	239	-18.7	-8.4
HEALTH RELATED, N.E.C.	766	790	784	781	1,287	10.9	28.4
PSYCHOLOGY	11,531	11,488	12,361	11,823	10,579	-1.7	-5.4
SOCIAL SCIENCES	31,217	34,565	32,536	31,830	31,062	-0.1	-1.3
AGRICULTURAL ECONOMICS	1,457	1,747	1,767	1,725	1,625	2.2	-2.9
ANTHROPOLOGY	2,614	2,697	2,556	2,491	2,197	-3.4	-6.1
ECONOMICS (EXCEPT AGRICULTURAL)	5,858	6,627	6,350	6,526	6,279	1.4	-1.9
GEOGRAPHY	1,567	1,658	1,680	1,525	1,332	-3.2	-6.5
HISTORY AND PHILOSOPHY OF SCIENCE	191	185	201	183	171	-2.2	-3.3
LINGUISTICS	1,432	1,548	1,450	1,352	1,309	-1.8	-1.6
POLITICAL SCIENCE	8,690	10,054	9,171	9,020	9,065	0.8	0.2
SOCIOLOGY	5,256	5,321	4,827	4,350	3,919	-5.7	-5.1
SOCIOLOGY/ANTHROPOLOGY	586	611	409	468	347	-9.9	-13.9
SOCIAL SCIENCES, N.E.C.	3,558	4,117	4,125	4,190	4,758	6.0	6.6

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-13. FEMALE FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1979	1974-79	1977-79	
TOTAL, ALL FIELDS	46,330	52,265	57,876	63,212	71,205	9.0	6.2	
ENGINEERING	1,367	1,881	2,033	2,327	3,335	19.5	19.7	
AERONAUTICAL	18	23	22	26	34	13.6	14.4	
AGRICULTURAL	7	13	24	33	41	42.4	11.5	
BIOMEDICAL	35	46	55	68	110	25.7	27.2	
CHEMICAL	112	192	260	334	479	33.7	19.8	
CIVIL	299	334	320	413	648	16.7	25.3	
ELECTRICAL	212	223	288	369	438	15.6	8.9	
ENGINEERING SCIENCE	62	70	95	76	105	11.1	17.5	
INDUSTRIAL	268	506	439	459	563	16.0	10.8	
MECHANICAL	66	99	99	119	215	26.6	34.4	
METALLURGICAL/MATERIALS	74	95	109	143	218	24.1	23.5	
MINING	9	19	17	28	28	25.5	0.0	
NUCLEAR	39	47	49	46	77	14.6	29.4	
PETROLEUM	6	5	10	12	32	39.8	63.3	
ENGINEERING, N.E.C.	160	209	246	201	347	16.7	31.4	
PHYSICAL SCIENCES	2,579	2,701	2,934	3,060	3,322	5.2	4.2	
ASTRONOMY	61	60	54	60	57	-1.3	-2.5	
CHEMISTRY	1,861	1,995	2,186	2,280	2,473	5.9	4.1	
PHYSICS	595	594	654	680	737	4.4	4.1	
PHYSICAL SCIENCES, N.E.C.	62	52	40	40	55	-2.4	17.3	
ENVIRONMENTAL SCIENCES	970	1,157	1,496	1,612	2,065	16.3	13.2	
ATMOSPHERIC SCIENCES	55	57	76	76	91	10.6	9.4	
GEOSCIENCES	655	803	967	1,026	1,346	15.5	14.5	
OCEANOGRAPHY	192	185	264	301	352	12.9	8.1	
ENVIRONMENTAL SCIENCES, N.E.C.	68	112	189	209	276	32.3	14.9	
MATHEMATICAL SCIENCES	2,512	2,711	2,883	2,795	2,896	2.9	1.8	
COMPUTER SCIENCE	504	603	693	711	959	13.7	16.1	
MATHEMATICS AND APPLIED MATHEMATICS	1,721	1,779	1,840	1,738	1,610	-1.3	-3.8	
STATISTICS	287	329	350	346	327	2.6	-2.8	
LIFE SCIENCES	17,137	19,374	22,158	24,853	28,809	10.9	7.7	
AGRICULTURAL SCIENCES	1,026	1,363	1,636	1,963	2,347	18.0	9.3	
BIOLOGICAL SCIENCES	9,094	9,879	10,706	11,586	12,441	6.5	3.6	
ANATOMY	244	297	327	355	391	9.9	4.9	
BIOCHEMISTRY	821	826	914	991	1,084	5.7	4.6	
BIOLOGY	2,259	2,550	2,773	2,863	2,843	4.7	-0.3	
BIOMETRY/EPIDEMIOLOGY	197	225	210	245	326	10.6	15.4	
BIOPHYSICS	110	136	131	126	102	-1.5	-10.0	
BOTANY	637	667	778	817	814	5.0	-0.2	
CELL BIOLOGY	150	178	172	192	244	10.2	12.7	
ECOLOGICAL/PALEONTOLOGY	108	121	186	197	177	10.4	-5.2	
ENTOMOLOGY/PARASITOLOGY	162	187	206	237	292	12.5	11.0	
GENETICS	260	295	322	374	366	7.1	-1.1	
MICROBIOLOGY	1,104	1,134	1,231	1,260	1,351	4.1	3.5	
NUTRITION	1,087	1,098	1,202	1,509	1,748	10.0	7.6	
PATHOLOGY	218	241	302	312	330	8.6	2.8	
PHARMACOLOGY	273	346	387	423	503	13.0	9.0	
PHYSIOLOGY	440	489	464	474	545	4.4	7.2	
ZOOLOGY	808	810	739	780	788	-0.5	0.5	
BIOLOGICAL SCIENCES, N.E.C.	216	279	362	431	537	20.0	11.6	
HEALTH SCIENCES	7,017	8,192	9,816	11,304	14,021	14.8	11.4	
ANESTHESIOLOGY	6	21	2	1	11	12.9	231.7	
CARDIOLOGY	3	5	0	1	0	-100.0	-100.0	
CLINICAL PHARMACOLOGY	0	1	3	1	0	0	-100.0	
DENTISTRY	70	113	132	140	225	26.3	26.8	
ENDOCRINOLOGY	9	13	11	10	16	12.2	26.5	
GASTROENTEROLOGY	5	0	0	0	0	-100.0	0.0	
HEMATOLOGY	1	2	2	3	2	14.9	-18.4	
NEUROLOGY	39	46	47	52	54	6.7	1.9	
NURSING	2,247	2,683	3,683	5,020	5,805	20.9	7.5	
OBSTETRICS/GYNECOLOGY	26	14	14	9	9	-19.1	0.0	
OPHTHALMOLOGY	4	3	2	4	1	-24.2	-50.0	
OTORHINOLARYNGOLOGY	10	6	10	21	2	-27.5	-69.1	
PEDIATRICS	76	52	67	54	71	-1.4	14.7	
PHARMACEUTICAL SCIENCES	240	266	305	373	427	12.2	7.0	
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,032	1,329	1,582	1,491	2,168	16.0	20.6	
PSYCHIATRY	44	62	62	57	71	10.0	11.6	
PULMONARY DISEASE	29	37	36	40	47	10.1	8.4	
RADIOLOGY	2,096	2,647	2,678	2,826	3,087	8.1	4.5	
SPEECH PATHOLOGY/AUDIOLOGY	24	17	15	14	8	-19.7	-24.4	
SURGERY	91	113	143	166	230	20.4	17.7	
VETERINARY SCIENCES	297	96	143	241	279	-1.2	7.6	
CLINICAL MEDICINE, N.E.C.	664	666	879	780	1,507	17.8	39.0	
HEALTH RELATED, N.E.C.	PSYCHOLOGY	7,375	8,287	9,185	9,590	10,126	6.5	2.8
SOCIAL SCIENCES	14,390	16,154	17,187	18,975	20,732	7.6	4.5	
AGRICULTURAL ECONOMICS	155	178	206	261	352	17.8	16.1	
ANTHROPOLOGY	1,983	2,136	2,335	2,432	2,253	2.6	-3.8	
ECONOMICS (EXCEPT AGRICULTURAL)	1,035	1,133	1,245	1,431	1,525	8.1	3.2	
GEOGRAPHY	434	496	526	553	549	4.8	-0.4	
HISTORY AND PHILOSOPHY OF SCIENCE	56	74	69	74	63	2.4	-7.7	
LINGUISTICS	1,126	1,482	1,681	1,539	1,577	7.0	1.2	
POLITICAL SCIENCE	2,299	2,748	2,821	3,236	4,012	11.8	11.3	
SOCIOLOGY	2,826	3,177	3,185	3,140	3,061	1.6	-1.3	
SOCIOLOGY/ANTHROPOLOGY	368	447	320	328	287	-4.9	-6.5	
SOCIAL SCIENCES, N.E.C.	4,108	4,283	4,799	5,981	7,053	11.4	8.6	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-14. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	48,307	48,289	48,614	50,501	51,302	52,978	2.0	2.4	3.3
ENGINEERING	10,178	10,257	10,491	10,673	10,641	11,006	1.6	1.5	3.4
AERONAUTICAL	666	600	519	584	490	527	-4.6	-5.0	7.6
AGRICULTURAL	109	135	101	162	160	140	5.1	-7.0	-12.5
BIOMEDICAL	271	286	268	212	231	284	0.9	15.7	22.9
CHEMICAL	895	1,071	1,138	1,212	1,220	1,243	6.8	1.3	1.9
CIVIL	1,762	1,629	1,583	1,492	1,523	1,524	-2.9	1.1	0.1
ELECTRICAL	2,260	2,258	2,221	2,376	2,369	2,396	1.2	0.4	1.1
ENGINEERING SCIENCE	758	697	658	534	493	585	-5.0	4.7	18.7
INDUSTRIAL	876	700	748	775	776	829	-1.1	3.4	6.8
MECHANICAL	1,116	1,216	1,341	1,326	1,333	1,366	4.1	1.5	2.5
METALLURGICAL/MATERIALS	915	867	962	979	1,021	1,165	7.4	9.1	14.1
MINING	91	135	195	223	200	214	18.7	-2.0	7.0
NUCLEAR	290	349	359	324	387	293	0.2	-4.9	-24.3
PETROLEUM	24	43	64	84	67	67	22.8	-10.7	0.0
ENGINEERING, N.E.C.	245	271	334	390	371	373	8.8	-2.2	0.5
PHYSICAL SCIENCES	6,233	6,300	6,455	6,631	7,012	7,447	3.6	6.0	6.2
ASTRONOMY	214	203	211	188	211	194	-1.9	1.6	-8.1
CHEMISTRY	2,949	3,069	3,205	3,323	3,613	3,934	6.7	8.8	8.9
PHYSICS	3,148	2,999	3,029	3,100	3,177	3,308	1.0	3.3	4.1
PHYSICAL SCIENCES, N.E.C.	22	29	10	20	11	11	-12.9	-25.8	0.0
ENVIRONMENTAL SCIENCES	2,621	2,661	2,867	3,039	3,097	3,414	5.4	6.0	10.2
ATMOSPHERIC SCIENCES	524	528	578	590	547	565	1.5	-2.1	3.3
GEOSCIENCES	1,136	1,211	1,375	1,521	1,562	1,770	9.3	7.9	13.3
OCEANOGRAPHY	790	799	771	763	816	870	1.9	6.8	6.6
ENVIRONMENTAL SCIENCES, N.E.C.	171	123	143	165	172	209	4.1	12.5	21.5
MATHEMATICAL SCIENCES	1,393	1,285	1,293	1,285	1,308	1,432	0.6	5.6	9.5
COMPUTER SCIENCE	705	732	704	705	735	823	3.1	8.0	12.0
MATHEMATICS AND APPLIED MATHEMATICS	466	385	407	378	395	451	-0.7	9.2	14.2
STATISTICS	222	168	182	202	178	158	-6.6	-11.6	-11.2
LIFE SCIENCES	16,756	17,623	17,746	18,928	19,599	20,665	4.3	4.5	5.4
AGRICULTURAL SCIENCES	1,699	1,783	1,755	1,767	1,823	1,897	2.2	3.6	4.1
BIOLOGICAL SCIENCES	9,770	10,042	9,808	10,013	10,195	10,793	2.0	3.8	5.9
ANATOMY	339	314	275	269	277	283	-3.5	2.6	2.2
BIOCHEMISTRY	1,765	1,598	1,628	1,721	1,668	1,741	-0.3	0.6	4.4
BIOLOGY	1,332	1,521	1,569	1,564	1,673	1,810	6.3	7.6	8.2
BIOMETRY/EPIDEMIOLOGY	283	298	246	278	334	347	4.2	11.7	3.9
BIOPHYSICS	380	398	383	357	324	333	-2.6	-3.4	2.8
BOTANY	323	344	381	441	462	475	8.0	3.8	2.8
CELL BIOLOGY	237	249	213	306	357	408	11.5	15.5	14.3
ECOLOGICAL/PALEONTOLOGY	107	126	152	142	199	155	7.7	4.5	-22.1
ENTOMOLOGY/PARASITOLOGY	331	337	315	298	268	271	-3.9	-4.6	1.1
GENETICS	330	393	326	393	380	391	3.5	-0.3	2.9
IMMUNOLOGY	1,185	1,274	1,230	1,193	1,212	1,311	2.0	4.8	8.2
NUTRITION	606	554	559	591	552	588	-0.6	-0.3	6.5
PATHOLOGY	398	370	343	290	269	330	-3.7	6.7	22.7
PHARMACOLOGY	655	754	761	736	771	839	5.1	6.8	8.8
PHYSIOLOGY	741	713	631	665	640	675	-1.8	0.7	5.5
ZOOLOGY	466	488	445	396	391	450	-0.7	6.6	15.1
BIOLOGICAL SCIENCES, N.E.C.	292	311	351	373	418	386	5.7	1.7	-7.7
HEALTH SCIENCES	5,287	5,798	6,183	7,148	7,581	7,975	8.6	5.6	5.2
ANESTHESIOLOGY	13	5	2	0	0	0	-100.0	0.0	0.0
CARDIOLOGY	22	19	0	2	3	3	-32.9	22.5	50.0
CLINICAL PHARMACOLOGY	4	2	19	4	0	0	-100.0	-100.0	-100.0
DENTISTRY	113	154	132	135	157	172	8.8	12.9	9.6
ENDOCRINOLOGY	8	17	12	10	12	14	11.8	18.3	16.7
GASTROENTEROLOGY	25	8	6	5	1	0	-100.0	-100.0	-100.0
HEMATOLOGY	15	0	0	0	1	0	-100.0	0.0	-100.0
NEUROLOGY	60	109	83	90	103	88	8.0	-1.1	-14.6
NURSING	1,445	1,933	2,688	3,662	3,711	3,640	20.3	-0.3	-1.9
OBSTETRICS/GYNECOLOGY	31	21	23	17	12	18	-10.3	2.9	50.0
OPHTHALMOLOGY	17	10	6	6	1	2	-34.8	-42.3	100.0
OTORHINOLARYNGOLOGY	42	28	26	14	9	8	-28.2	-28.1	-11.1
PEDIATRICS	86	62	62	43	41	47	-11.4	4.5	14.6
PHARMACEUTICAL SCIENCES	294	318	305	334	290	306	0.8	-4.3	5.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,158	1,398	1,371	1,214	1,480	1,659	7.5	16.9	12.1
PSYCHIATRY	110	52	29	29	26	53	-14.5	35.2	103.8
PULMONARY DISEASE	25	5	0	0	0	0	-100.0	0.0	0.0
RADIOLOGY	111	106	82	83	66	55	-13.1	-18.6	-16.7
SPEECH PATHOLOGY/AUDIOLOGY	735	755	703	781	721	767	0.9	-0.9	6.4
SURGERY	38	31	29	18	7	1	-51.7	-76.4	-85.7
VETERINARY SCIENCES	123	132	113	126	119	123	0.0	-1.2	3.4
CLINICAL MEDICINE, N.E.C.	399	120	67	121	97	105	-23.4	-6.8	8.2
HEALTH RELATED, N.E.C.	410	513	425	454	721	914	17.4	41.9	26.8
PSYCHOLOGY	4,404	4,317	4,071	3,961	3,943	3,448	-4.8	-6.7	-12.6
SOCIAL SCIENCES	6,422	5,846	5,691	5,984	5,702	5,566	-2.8	-3.6	-2.4
AGRICULTURAL ECONOMICS	419	463	424	495	507	431	0.6	-8.7	-15.0
ANTHROPOLOGY	638	626	582	548	512	461	-6.3	-6.3	-10.0
ECONOMICS (EXCEPT AGRICULTURAL)	694	631	530	592	499	529	-5.3	-5.5	6.0
GEOGRAPHY	186	151	176	165	152	132	-6.6	-10.6	-13.2
HISTORY AND PHILOSOPHY OF SCIENCE	10	15	18	14	8	15	8.4	3.5	87.5
LINGUISTICS	348	252	285	261	216	205	-10.0	-11.4	-5.1
POLITICAL SCIENCE	936	748	860	1,160	1,156	1,038	2.1	-5.4	-10.2
SOCIOLOGY	1,352	1,232	1,101	939	916	842	-9.6	-9.3	-8.1
SOCIOLOGY/ANTHROPOLOGY	122	115	83	79	50	46	-17.7	-23.7	-8.0
SOCIAL SCIENCES, N.E.C.	1,717	1,613	1,632	1,731	1,686	1,887	1.7	3.9	10.7

TABLE B-15. FULL-TIME GRADUATE STUDENTS SUPPORTED BY INSTITUTIONAL SOURCES IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	75,396	77,286	79,508	80,860	79,902	83,048	2.0	1.3	3.9
ENGINEERING	10,063	10,252	10,476	10,549	10,486	11,362	2.5	3.8	8.4
AERONAUTICAL	342	317	319	271	328	322	-1.2	9.0	-1.8
AGRICULTURAL	212	247	252	238	259	295	6.8	11.3	13.9
BIOMEDICAL	146	169	163	178	167	199	6.4	5.7	19.2
CHEMICAL	1,117	1,061	1,161	1,222	1,297	1,450	5.4	8.9	11.8
CIVIL	1,503	1,715	1,763	1,904	1,822	1,802	3.7	-2.7	-1.1
ELECTRICAL	2,280	2,453	2,428	2,300	2,329	2,553	2.3	5.4	9.6
ENGINEERING SCIENCE	456	472	549	551	545	479	1.0	-6.8	-12.1
INDUSTRIAL	1,019	1,009	1,044	956	902	1,009	-0.2	2.7	11.9
MECHANICAL	1,480	1,314	1,404	1,422	1,442	1,582	1.3	5.5	9.7
METALLURGICAL/MATERIALS	400	438	366	391	408	387	-0.7	-0.5	-5.1
MINING	89	72	64	65	86	64	-6.4	-0.8	-25.6
NUCLEAR	358	398	367	387	252	379	1.1	-1.0	50.4
PETROLEUM	55	53	53	67	76	107	14.2	26.4	40.8
ENGINEERING, N.E.C.	606	534	543	597	573	734	3.9	10.9	28.1
PHYSICAL SCIENCES	12,080	12,078	12,273	12,319	11,832	11,543	-0.9	-3.2	-2.4
ASTRONOMY	253	254	223	226	207	256	0.2	6.4	23.7
CHEMISTRY	7,186	7,290	7,554	7,652	7,439	7,217	0.1	-2.9	-3.0
PHYSICS	4,598	4,484	4,446	4,406	4,141	4,032	-2.6	-4.3	-2.6
PHYSICAL SCIENCES, N.E.C.	43	50	50	35	45	38	-2.4	4.2	-15.6
ENVIRONMENTAL SCIENCES	2,978	3,156	3,427	3,512	3,430	3,472	3.1	-0.6	1.2
ATMOSPHERIC SCIENCES	169	185	155	138	134	129	-5.3	-3.3	-3.7
GEOSCIENCES	2,322	2,369	2,608	2,596	2,501	2,581	2.1	-0.3	3.2
OCEANOGRAPHY	349	397	401	463	402	372	1.3	-10.4	-7.5
ENVIRONMENTAL SCIENCES, N.E.C.	138	205	263	315	393	390	23.1	11.3	-0.8
MATHEMATICAL SCIENCES	8,031	8,102	8,258	8,028	7,898	7,924	-0.3	-0.6	0.3
COMPUTER SCIENCE	1,286	1,411	1,544	1,545	1,546	1,735	6.2	6.0	12.2
MATHEMATICS AND APPLIED MATHEMATICS	6,057	5,931	5,919	5,697	5,526	5,333	-2.5	-3.2	-3.5
STATISTICS	688	760	795	786	826	856	4.5	4.4	3.6
LIFE SCIENCES	18,993	19,791	20,773	21,588	21,391	22,342	3.3	1.7	4.4
AGRICULTURAL SCIENCES	2,951	3,245	3,512	3,577	3,606	3,784	5.1	2.9	4.9
BIOLOGICAL SCIENCES	13,162	13,679	14,286	14,876	14,512	14,624	2.1	-0.9	0.8
ANATOMY	387	409	454	513	493	564	7.8	4.9	14.4
BIOCHEMISTRY	1,043	1,107	1,153	1,189	1,252	1,215	3.1	1.1	-3.0
BIOLOGY	3,788	4,043	4,267	4,412	4,172	4,068	1.4	-4.0	-2.5
BIOMETRY/EPIDEMIOLOGY	73	94	99	146	154	154	16.1	2.7	0.0
BIOPHYSICS	166	197	168	160	111	125	-5.5	-11.6	12.6
BOTANY	1,360	1,316	1,373	1,354	1,366	1,358	0.0	0.1	-0.6
CELL BIOLOGY	170	221	227	205	197	194	2.7	-2.7	-1.5
ECOLOGY	228	276	372	379	378	376	10.5	-0.4	-0.5
ENTOMOLOGY/PARASITOLOGY	507	515	539	549	653	681	6.1	11.4	4.3
GENETICS	199	177	214	236	268	240	3.8	0.8	-10.4
MICROBIOLOGY	1,261	1,307	1,386	1,502	1,324	1,301	0.6	-6.9	-1.7
NUTRITION	664	649	621	792	761	786	3.4	-0.4	3.3
PATHOLOGY	175	198	234	256	299	291	10.7	6.6	-2.7
PHARMACOLOGY	390	415	472	475	539	592	8.7	11.6	9.8
PHYSIOLOGY	630	689	747	725	697	747	3.5	1.5	7.2
ZOOLOGY	1,781	1,691	1,565	1,529	1,431	1,447	-4.1	-2.7	1.1
BIOSCIENCES, N.E.C.	340	375	395	454	417	485	7.4	3.4	16.3
HEALTH SCIENCES	2,880	2,867	2,975	3,135	3,273	3,934	6.4	12.0	20.2
ANESTHESIOLOGY	46	49	3	2	6	16	-19.0	182.8	166.7
CARDIOLOGY	19	0	0	1	0	0	-100.0	-100.0	-100.0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	237	302	303	320	306	335	7.2	2.3	9.5
ENDOCRINOLOGY	12	13	14	7	9	19	9.6	64.8	111.1
GASTROENTEROLOGY	10	3	2	2	4	0	-100.0	-100.0	-100.0
HEMATOLOGY	7	0	1	5	5	5	-6.5	0.0	0.0
NEUROLOGY	58	64	53	59	54	68	3.2	7.4	25.9
NURSING	131	142	195	267	293	482	29.8	34.4	64.5
OBSTETRICS/GYNECOLOGY	17	22	14	5	6	6	-18.8	9.5	0.0
OPHTHALMOLOGY	16	12	2	2	1	1	-42.6	-29.3	0.0
OTORHINOLARYNGOLOGY	23	15	25	23	18	14	-9.5	-22.0	-22.2
PEDIATRICS	15	24	22	14	9	16	1.3	6.9	77.8
PHARMACEUTICAL SCIENCES	690	700	734	756	764	866	4.6	7.0	13.4
PREVENTIVE MEDICINE/COMMUNITY HEALTH	260	201	325	286	306	349	6.1	10.5	14.1
PSYCHIATRY	40	34	38	59	63	49	4.1	-8.9	-22.2
PULMONARY DISEASE	9	1	0	3	7	1	-35.6	-42.3	-85.7
RADIOLOGY	33	43	54	38	44	46	6.9	10.0	4.5
SPEECH PATHOLOGY/AUDIOLOGY	613	669	611	628	699	721	3.3	7.1	3.1
SURGERY	56	79	68	60	61	54	-0.7	-5.1	-11.5
VETERINARY SCIENCES	202	208	227	276	257	326	10.0	8.7	26.8
CLINICAL MEDICINE, N.E.C.	206	108	109	143	102	89	-15.5	-21.1	-12.7
HEALTH RELATED, N.E.C.	180	178	175	179	258	471	21.2	62.2	82.6
PSYCHOLOGY	6,875	6,964	7,339	7,550	7,407	7,439	1.6	-0.7	0.4
SOCIAL SCIENCES	16,376	16,943	16,962	17,314	17,458	18,966	3.0	4.7	8.6
AGRICULTURAL ECONOMICS	640	721	777	733	692	777	4.0	3.0	12.3
ANTHROPOLOGY	1,666	1,543	1,601	1,587	1,575	1,593	-0.9	0.2	1.1
ECONOMICS (EXCEPT AGRICULTURAL)	3,279	3,481	3,556	3,650	3,728	3,779	2.9	1.8	1.4
GEOGRAPHY	1,040	1,074	1,036	1,084	1,044	1,046	0.1	-1.8	0.2
HISTORY AND PHILOSOPHY OF SCIENCE	116	130	144	135	130	122	1.0	-4.9	-6.2
LINGUISTICS	1,065	1,144	1,244	1,317	1,366	1,491	7.0	6.4	9.2
POLITICAL SCIENCE	3,863	3,865	3,746	3,733	3,686	4,512	3.2	9.9	22.4
SOCIOLOGY	3,077	3,079	3,087	3,100	2,993	3,048	-0.2	-0.8	1.8
SOCIOLOGY/ANTHROPOLOGY	333	389	362	360	343	353	1.2	-1.0	2.9
SOCIAL SCIENCES, N.E.C.	1,297	1,517	1,409	1,615	1,901	2,245	11.6	17.9	18.1

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-16. FULL-TIME GRADUATE STUDENTS SUPPORTED BY OTHER OUTSIDE SOURCES IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	16,380	16,857	17,688	18,258	19,265	20,128	4.2	5.0	4.5
ENGINEERING	4,370	4,512	4,865	5,137	5,331	5,771	5.7	6.0	8.3
AERONAUTICAL	125	145	127	140	142	102	-4.0	-14.6	-28.2
AGRICULTURAL	125	120	172	167	189	191	8.8	6.9	1.1
BIOMEDICAL	27	28	23	25	36	61	17.7	56.2	69.4
CHEMICAL	735	747	735	791	720	870	3.4	4.9	20.8
CIVIL	796	736	754	773	784	898	2.4	7.8	14.5
ELECTRICAL	764	821	907	1,054	1,172	1,235	10.1	8.2	5.4
ENGINEERING SCIENCE	162	110	131	141	132	111	-7.3	-11.3	-15.9
INDUSTRIAL	300	446	505	460	560	622	15.7	16.3	11.1
MECHANICAL	540	517	482	597	668	791	7.9	15.1	18.4
METALLURGICAL/MATERIALS	303	312	369	384	339	342	2.5	-5.6	0.9
MINING	56	67	86	73	47	40	-6.5	-26.0	-14.9
NUCLEAR	133	194	226	223	256	231	11.7	1.8	-9.8
PETROLEUM	122	123	176	151	143	123	0.2	-9.7	-14.0
ENGINEERING, N.E.C.	192	146	172	158	143	154	-3.3	-1.3	7.7
PHYSICAL SCIENCES	1,312	1,191	1,328	1,356	1,349	1,461	2.2	3.8	8.3
ASTRONOMY	30	43	32	39	26	14	-14.1	-40.1	-46.2
CHEMISTRY	905	735	803	850	853	939	0.7	5.1	10.1
PHYSICS	367	408	485	464	466	503	6.5	4.1	7.9
PHYSICAL SCIENCES, N.E.C.	10	5	8	3	4	5	-12.9	29.1	25.0
ENVIRONMENTAL SCIENCES	709	723	745	753	853	835	3.3	5.3	-2.1
ATMOSPHERIC SCIENCES	59	54	52	36	36	39	-7.9	4.1	8.3
GEOSCIENCES	452	479	493	542	602	580	5.1	3.4	-3.7
OCEANOGRAPHY	156	127	139	111	137	160	0.5	20.1	16.8
ENVIRONMENTAL SCIENCES, N.E.C.	42	63	61	64	78	56	5.9	-6.5	-28.2
MATHEMATICAL SCIENCES	616	767	802	788	816	997	10.1	12.5	22.2
COMPUTER SCIENCE	253	350	292	303	391	508	15.0	29.5	29.9
MATHEMATICS AND APPLIED MATHEMATICS	268	306	357	352	306	349	5.4	-0.4	14.1
STATISTICS	95	111	153	133	119	140	8.1	2.6	17.6
LIFE SCIENCES	4,595	4,790	5,209	5,380	5,698	5,915	5.2	4.9	3.8
AGRICULTURAL SCIENCES	1,503	1,721	1,894	1,997	1,942	1,999	5.9	0.1	2.9
BIOLOGICAL SCIENCES	2,126	2,225	2,411	2,407	2,616	2,615	4.2	4.2	0.0
ANATOMY	37	36	37	51	58	47	4.9	-4.0	-19.0
BIOCHEMISTRY	234	246	268	237	240	223	-1.0	-3.0	-7.1
BIOLOGY	264	386	396	420	381	349	5.7	-8.8	-8.4
BIOMETRY/EPIDEMIOLOGY	50	36	56	43	51	83	10.7	38.9	62.7
BIOPHYSICS	30	30	26	38	43	19	-8.7	-29.3	-55.8
BOTANY	198	204	239	236	265	272	6.6	7.4	2.6
CELL BIOLOGY	19	11	22	17	26	31	10.3	35.0	19.2
ECOLOGY	55	40	38	40	60	51	-1.5	12.9	-15.0
ENTOMOLOGY/PARASITOLOGY	159	220	217	216	237	275	11.6	12.8	16.0
GENETICS	78	45	57	84	61	46	-10.0	-26.0	-24.6
MICROBIOLOGY	211	176	196	177	227	199	-1.2	6.0	-12.3
NUTRITION	290	254	329	327	385	511	12.0	25.0	32.7
PATHOLOGY	68	78	100	81	81	107	9.5	14.9	32.1
PHARMACOLOGY	93	105	73	120	141	129	6.8	3.7	-8.5
PHYSIOLOGY	86	106	98	108	124	92	1.4	-7.7	-25.8
ZOOLOGY	109	132	147	114	107	83	-5.3	-14.7	-22.4
BIOSCIENCES, N.E.C.	145	120	112	98	129	98	-7.5	0.0	-24.0
HEALTH SCIENCES	966	844	904	976	1,140	1,301	6.1	15.5	14.1
ANESTHESIOLOGY	0	1	0	1	0	0	..	-100.0	..
CARDIOLOGY	2	3	0	0	0	0	-100.0	..	..
CLINICAL PHARMACOLOGY	0	1	5	1	2	0	..	-100.0	-100.0
DENTISTRY	140	58	114	77	86	119	-3.2	24.3	38.4
ENDOCRINOLOGY	2	1	0	1	0	6	24.6	144.9	..
GASTROENTEROLOGY	11	0	0	1	0	0	-100.0	-100.0	..
HEMATOLOGY	0	0	0	0	1	0	..	..	-100.0
NEUROLOGY	10	6	6	11	11	10	0.0	-4.7	-9.1
NURSING	24	40	62	141	203	240	58.5	30.5	18.2
OBSTETRICS/GYNECOLOGY	6	3	10	1	0	7	3.1	164.6	..
OPHTHALMOLOGY	7	2	0	0	0	0	-100.0	..	..
OTORHINOLARYNGOLOGY	0	0	5	4	6	2	..	-29.3	-66.7
PEDIATRICS	8	4	7	6	3	1	-34.0	-59.2	-66.7
PHARMACEUTICAL SCIENCES	145	149	158	150	190	171	3.4	6.8	-10.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	221	236	204	184	158	153	-7.1	-8.8	-3.2
PSYCHIATRY	18	10	15	6	5	19	1.1	78.0	280.0
PULMONARY DISEASE	12	1	0	0	3	0	-100.0	..	-100.0
RADIOLOGY	18	19	14	20	17	27	8.4	16.2	58.8
SPEECH PATHOLOGY/AUDIOLOGY ..	119	86	66	97	141	121	0.3	11.7	-14.2
SURGERY	3	2	9	3	6	4	5.9	15.5	-33.3
VETERINARY SCIENCES	81	78	102	118	113	194	13.7	14.2	36.3
CLINICAL MEDICINE, N.E.C.	61	35	33	52	20	31	-12.7	-22.8	55.0
HEALTH RELATED, N.E.C.	78	109	94	102	175	236	24.8	52.1	34.9
PSYCHOLOGY	1,114	1,183	1,270	1,289	1,592	1,351	3.9	2.4	-15.1
SOCIAL SCIENCES	3,664	3,691	3,469	3,555	3,626	3,798	0.7	3.4	4.7
AGRICULTURAL ECONOMICS	229	264	244	336	340	380	10.7	6.3	11.8
ANTHROPOLOGY	222	209	216	244	194	210	-1.1	-7.2	8.2
ECONOMICS (EXCEPT AGRICULTURAL)	752	816	969	950	983	979	5.4	1.5	-0.4
GEOGRAPHY	130	126	167	158	147	127	-0.5	-10.3	-13.6
HISTORY AND PHILOSOPHY OF SCIENCE	24	25	22	23	19	12	-12.9	-27.8	-36.8
LINGUISTICS	150	162	130	147	162	256	11.3	32.0	58.0
POLITICAL SCIENCE	837	716	838	721	698	718	-3.0	-0.2	2.9
SOCIOLOGY	656	626	519	507	478	509	-4.9	0.2	6.5
SOCIOLOGY/ANTHROPOLOGY	53	50	75	49	34	52	-0.4	3.0	52.9
SOCIAL SCIENCES, N.E.C.	611	697	289	420	571	555	-1.9	15.0	-2.8

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-17. SELF-SUPPORTED FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	56,123	68,390	68,919	68,826	66,380	67,903	3.9	-0.7	2.3
ENGINEERING	9,106	12,117	10,605	10,422	10,568	11,143	4.1	3.4	5.4
AERONAUTICAL	125	168	161	163	166	191	8.8	8.2	15.1
AGRICULTURAL	42	75	116	125	100	118	22.9	-2.8	18.0
BIOMEDICAL	224	275	265	270	276	251	2.3	-3.6	-9.1
CHEMICAL	571	711	703	791	828	788	6.7	-0.2	-4.8
CIVIL	1,805	2,511	1,982	2,051	2,246	2,262	4.6	5.0	0.7
ELECTRICAL	2,346	2,601	2,447	2,549	2,388	2,599	2.1	1.0	8.8
ENGINEERING SCIENCE	202	402	345	277	300	300	8.2	4.1	8.3
INDUSTRIAL	1,410	2,347	1,739	1,621	1,476	1,579	2.3	-1.3	7.0
MECHANICAL	1,077	1,377	1,242	1,125	1,159	1,256	3.1	5.7	8.4
METALLURGICAL/MATERIALS	176	203	194	222	226	269	8.9	10.1	19.0
MINING	45	76	68	89	88	43	-0.9	-30.5	-51.1
NUCLEAR	280	326	281	231	272	209	-5.7	-4.9	-23.2
PETROLEUM	60	39	58	38	90	70	3.1	35.7	-22.2
ENGINEERING, N.E.C.	743	1,006	1,004	870	976	1,208	10.2	17.8	23.8
PHYSICAL SCIENCES	1,791	1,874	1,731	1,627	1,464	1,471	-3.9	-4.9	0.5
ASTRONOMY	67	70	59	47	48	45	-7.7	-2.2	-6.3
CHEMISTRY	758	872	797	741	731	700	-1.6	-2.8	-4.2
PHYSICS	898	905	848	803	645	672	-5.6	-8.5	4.2
PHYSICAL SCIENCES, N.E.C.	68	27	27	36	40	54	-4.5	22.5	35.0
ENVIRONMENTAL SCIENCES	1,893	2,132	2,259	2,289	2,315	2,198	3.0	-2.0	-5.1
ATMOSPHERIC SCIENCES	95	125	103	110	107	84	-2.4	-12.6	-21.5
GEOSCIENCES	1,350	1,556	1,546	1,533	1,602	1,541	2.7	0.3	-3.8
OCEANOGRAPHY	379	302	369	386	344	304	-4.3	-11.3	-11.6
ENVIRONMENTAL SCIENCES, N.E.C.	69	149	241	260	262	269	31.3	1.7	2.7
MATHEMATICAL SCIENCES	3,369	3,685	3,936	3,681	3,439	3,606	1.4	-1.0	4.9
COMPUTER SCIENCE	1,532	1,682	1,966	1,851	1,946	2,209	7.6	9.2	13.5
MATHEMATICS AND APPLIED MATHEMATICS	1,596	1,622	1,626	1,476	1,212	1,137	-6.6	-12.2	-6.2
STATISTICS	241	381	344	354	281	260	1.5	-14.3	-7.5
LIFE SCIENCES	14,306	17,032	17,921	18,242	18,159	17,614	4.2	-1.7	-3.3
AGRICULTURAL SCIENCES	2,340	2,748	3,004	3,088	2,851	2,584	2.0	-8.5	-9.4
BIOLOGICAL SCIENCES	6,971	8,337	8,329	8,196	7,787	6,841	-0.4	-8.6	-12.1
ANATOMY	201	241	275	227	208	148	-5.9	-19.3	-28.8
BIOCHEMISTRY	291	422	365	368	443	320	-3.9	-6.7	-27.8
BIOLOGY	2,112	2,796	2,648	2,430	2,057	1,941	-1.7	-10.6	-5.6
BIOMETRY/EPIDEMIOLOGY	153	161	121	190	194	159	0.8	-8.5	-18.0
BIOPHYSICS	70	83	90	65	84	79	2.4	10.2	-6.0
BOTANY	437	447	463	554	462	386	-2.5	-16.5	-16.5
CELL BIOLOGY	35	60	42	24	30	27	-5.1	6.1	-10.0
ECOLOGY	122	214	162	255	207	122	6.0	-30.8	-41.1
ENTOMOLOGY/PARASITOLOGY	190	301	339	314	317	234	4.3	-13.7	-26.2
GENETICS	129	138	162	165	138	130	0.2	-11.2	-5.8
MICROBIOLOGY	679	712	688	681	620	540	-4.5	-11.0	-12.9
NUTRITION	583	698	818	896	993	919	9.5	1.3	-7.5
PATHOLOGY	198	244	243	286	308	280	7.2	-1.1	-9.1
PHARMACOLOGY	155	231	265	291	253	226	7.8	-11.9	-10.7
PHYSIOLOGY	509	566	484	449	458	404	-4.5	-5.1	-11.8
ZOOLOGY	727	747	717	576	586	415	-10.6	-15.1	-29.2
BIOSCIENCES, N.E.C.	280	276	447	425	429	511	12.8	9.7	19.1
HEALTH SCIENCES	4,995	5,947	6,588	6,958	7,521	8,189	10.4	8.5	8.9
ANESTHESIOLOGY	0	0	0	0	1	2	0.0	0.0	100.0
CARDIOLOGY	0	0	0	0	0	0	0.0	0.0	0.0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0.0	0.0	0.0
DENTISTRY	369	540	441	492	466	558	8.6	6.5	19.7
ENDOCRINOLOGY	6	11	7	13	12	5	-3.6	-38.0	-58.3
GASTROENTEROLOGY	0	0	0	0	0	0	0.0	0.0	0.0
HEMATOLOGY	0	3	2	0	1	2	0.0	0.0	100.0
NEUROLOGY	10	14	18	14	21	7	-6.9	-29.3	-66.7
NURSING	751	668	894	1,208	1,403	1,779	18.8	21.4	26.8
OBSTETRICS/GYNECOLOGY	3	5	5	2	5	2	-7.8	0.0	-60.0
OPHTHALMOLOGY	0	0	0	0	0	0	0.0	0.0	0.0
OTORHINOLARYNGOLOGY	1	7	8	15	12	0	-100.0	-100.0	-100.0
PEDIATRICS	10	21	26	23	29	24	19.1	2.2	-17.2
PHARMACEUTICAL SCIENCES	220	306	219	335	316	297	6.2	-5.8	-6.0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	999	1,280	1,439	1,461	1,562	1,782	12.3	10.4	14.1
PSYCHIATRY	31	72	60	50	38	43	6.8	-7.3	13.2
PULMONARY DISEASE	1	0	0	0	0	0	-100.0	0.0	0.0
RADIOLOGY	70	77	49	76	66	65	-1.5	-7.5	-1.5
SPEECH PATHOLOGY/AUDIOLOGY	1,348	2,031	2,130	2,076	2,204	2,012	8.3	-1.6	-8.7
SURGERY	10	2	1	2	0	0	-100.0	-100.0	-100.0
VETERINARY SCIENCES	100	111	156	155	138	145	7.7	-3.3	5.1
CLINICAL MEDICINE, N.E.C.	304	143	164	210	278	293	-0.7	10.1	5.4
HEALTH RELATED, N.E.C.	762	656	969	826	967	1,173	9.0	19.2	21.3
PSYCHOLOGY	6,513	7,311	8,866	8,613	7,678	8,467	5.4	-0.9	10.3
SOCIAL SCIENCES	19,145	24,239	23,601	23,952	22,757	23,404	4.1	-1.2	2.8
AGRICULTURAL ECONOMICS	324	477	528	422	483	389	3.7	-4.0	-19.5
ANTHROPOLOGY	2,071	2,455	2,492	2,544	2,243	2,186	1.1	-7.3	-2.5
ECONOMICS (EXCEPT AGRICULTURAL)	2,168	2,832	2,540	2,765	2,858	2,917	3.0	-4.6	-11.9
GEOGRAPHY	645	803	827	671	675	576	-2.2	-7.3	-14.7
HISTORY AND PHILOSOPHY OF SCIENCE	97	89	86	85	84	85	-2.6	0.0	1.2
LINGUISTICS	995	1,472	1,472	1,166	961	934	-1.3	-10.5	-2.8
POLITICAL SCIENCE	5,361	7,473	6,548	6,642	6,246	6,809	4.9	1.2	9.0
SOCIOLOGY	2,997	3,561	3,305	2,944	2,473	2,581	-2.9	-6.4	6.4
SOCIOLOGY/ANTHROPOLOGY	446	504	209	308	187	183	-16.3	-22.9	-2.1
SOCIAL SCIENCES, N.E.C.	4,041	4,573	5,594	6,405	6,547	7,144	12.1	5.6	9.1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-18. FULL-TIME GRADUATE STUDENTS WITH FELLOWSHIPS AND TRAINEESHIPS IN DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	38,499	38,814	37,489	39,208	39,073	0.3	-0.2
ENGINEERING	4,825	4,675	4,634	4,658	4,353	-2.0	-3.3
AERONAUTICAL	115	130	108	94	92	-4.4	-1.1
AGRICULTURAL	108	66	60	87	77	-6.5	-5.9
BIOMEDICAL	212	186	176	131	191	-2.1	20.7
CHEMICAL	675	690	749	806	714	1.1	-5.9
CIVIL	1,033	969	829	755	673	-8.2	-5.6
ELECTRICAL	882	766	762	770	744	-3.3	-1.7
ENGINEERING SCIENCE	244	152	144	156	155	-8.7	-0.3
INDUSTRIAL	371	428	289	495	369	-0.1	-13.7
MECHANICAL	521	458	471	477	514	-0.3	3.8
METALLURGICAL/MATERIALS	207	218	280	257	272	5.6	2.9
MINING	44	82	163	178	150	27.8	-8.2
NUCLEAR	166	299	279	202	128	-5.1	-20.4
PETROLEUM	56	81	141	115	78	6.9	-17.6
ENGINEERING, N.E.C.	191	150	183	135	196	0.5	20.5
PHYSICAL SCIENCES	2,501	2,274	2,351	2,508	2,296	-1.7	-4.3
ASTRONOMY	91	92	92	94	83	-1.8	-6.0
CHEMISTRY	1,457	1,310	1,357	1,426	1,407	-0.7	-0.7
PHYSICS	946	868	886	984	799	-3.3	-9.9
PHYSICAL SCIENCES, N.E.C.	7	4	16	4	7	0.0	32.3
ENVIRONMENTAL SCIENCES	920	904	998	1,194	1,086	3.4	-4.6
ATMOSPHERIC SCIENCES	104	76	79	59	43	-16.2	-14.6
GEOSCIENCES	544	582	676	878	678	4.5	-12.1
OCEANOGRAPHY	175	163	129	133	149	-3.2	5.8
ENVIRONMENTAL SCIENCES, N.E.C.	97	83	114	124	216	17.4	32.0
MATHEMATICAL SCIENCES	1,260	1,300	1,268	1,269	1,333	1.1	2.5
COMPUTER SCIENCE	240	343	312	314	450	13.4	19.7
MATHEMATICS AND APPLIED MATHEMATICS	810	780	783	814	724	-2.2	-5.7
STATISTICS	210	177	173	141	159	-5.4	6.2
LIFE SCIENCES	15,023	15,990	15,195	16,386	16,884	2.4	1.5
AGRICULTURAL SCIENCES	901	1,013	852	907	757	-3.4	-8.6
BIOLOGICAL SCIENCES	8,366	8,713	7,972	8,214	8,102	-0.6	-0.7
ANATOMY	394	370	305	320	300	-5.3	-3.2
BIOCHEMISTRY	1,350	1,273	1,222	1,172	1,074	-4.5	-4.3
BIOLOGY	1,332	1,551	1,456	1,530	1,493	2.3	-1.2
BIOMETRY/EPIDEMIOLOGY	313	311	254	286	332	1.2	7.7
BIOPHYSICS	362	358	321	304	262	-6.3	-7.2
BOTANY	188	189	191	215	183	-0.5	-7.7
CELL BIOLOGY	235	259	233	298	347	8.1	7.9
ECOLOGY	73	85	82	71	83	2.6	8.1
ENTOMOLOGY/PARASITOLOGY	138	127	120	87	127	-1.6	20.8
GENETICS	321	339	290	395	336	0.9	-7.8
MICROBIOLOGY	1,016	1,052	983	978	944	-1.5	-1.8
NUTRITION	403	397	337	381	355	-2.5	-3.5
PATHOLOGY	426	431	382	339	364	-3.1	3.8
PHARMACOLOGY	607	708	713	738	832	6.5	6.2
PHYSIOLOGY	718	711	604	593	566	-4.6	-2.3
ZOOLOGY	263	323	224	236	201	-5.2	-7.7
BIOSCIENCES, N.E.C.	227	229	255	272	303	5.9	5.9
HEALTH SCIENCES	5,756	6,264	6,371	7,265	8,025	6.9	5.1
ANESTHESIOLOGY	13	55	4	1	3	-25.4	73.2
CARDIOLOGY	36	20	0	3	1	-51.2	-42.3
CLINICAL PHARMACOLOGY	1	3	24	5	0	-100.0	-100.0
DENTISTRY	202	229	201	180	202	0.0	5.9
ENDOCRINOLOGY	12	14	13	7	20	10.8	69.0
GASTROENTEROLOGY	43	11	8	8	0	-100.0	-100.0
HEMATOLOGY	21	0	0	1	5	-25.0	123.6
NEUROLOGY	69	105	99	100	125	12.6	11.8
NURSING	1,415	1,944	2,693	3,749	3,627	20.7	-1.6
OBSTETRICS/GYNECOLOGY	46	27	25	14	20	-15.3	19.5
OPHTHALMOLOGY	29	23	7	6	2	-41.4	-42.3
OTORHINOLARYNGOLOGY	52	38	46	25	14	-23.1	-25.2
PEDIATRICS	84	71	48	50	53	-8.8	3.0
PHARMACEUTICAL SCIENCES	276	267	226	220	243	-2.5	5.1
PREVENTIVE MEDICINE/COMMUNITY HEALTH	1,354	1,556	1,402	1,253	1,622	3.7	13.8
PSYCHIATRY	143	78	55	50	59	-16.2	8.6
PULMONARY DISEASE	42	7	0	3	0	-100.0	-100.0
RADIOLOGY	89	81	44	44	38	-15.7	-7.1
SPEECH PATHOLOGY/AUDIOLOGY	689	790	690	727	807	3.2	5.4
SURGERY	67	86	75	47	36	-11.7	-12.5
VETERINARY SCIENCES	98	113	117	99	128	5.5	13.7
CLINICAL MEDICINE, N.E.C.	495	173	104	147	126	-23.9	-7.4
HEALTH RELATED, N.E.C.	480	573	490	526	894	13.2	30.4
PSYCHOLOGY	4,533	4,469	4,315	4,172	3,644	-4.3	-6.5
SOCIAL SCIENCES	9,437	9,262	8,728	9,021	9,477	0.1	2.5
AGRICULTURAL ECONOMICS	244	270	205	315	172	-7.5	-26.1
ANTHROPOLOGY	930	899	899	842	828	-2.7	-0.8
ECONOMICS (EXCEPT AGRICULTURAL)	1,450	1,565	1,483	1,581	1,351	-1.4	-7.6
GEOGRAPHY	240	249	217	232	169	-6.8	-14.7
HISTORY AND PHILOSOPHY OF SCIENCE	84	91	90	68	68	-4.1	0.0
LINGUISTICS	476	498	558	559	654	6.6	8.2
POLITICAL SCIENCE	2,065	2,103	1,953	1,986	2,486	3.8	11.9
SOCIOLOGY	1,758	1,630	1,488	1,308	1,384	-4.7	2.9
SOCIOLOGY/ANTHROPOLOGY	156	155	157	112	106	-7.4	-2.7
SOCIAL SCIENCES, N.E.C.	2,004	1,742	1,678	2,018	2,259	2.4	5.8

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-19. FULL-TIME GRADUATE STUDENTS WITH RESEARCH ASSISTANTSHIPS IN DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	39,611	40,147	42,728	43,914	48,497	4.1	5.1
ENGINEERING	10,995	10,897	11,259	11,792	12,684	2.9	3.7
AERONAUTICAL	559	528	485	491	501	-2.2	1.0
AGRICULTURAL	237	334	319	346	387	10.3	5.8
BIOMEDICAL	156	179	175	183	190	4.0	1.9
CHEMICAL	1,296	1,364	1,429	1,482	1,696	5.5	7.0
CIVIL	1,823	1,715	1,814	1,937	1,914	1.0	-0.6
ELECTRICAL	2,156	2,159	2,127	2,412	2,553	3.4	2.9
ENGINEERING SCIENCE	619	661	600	506	515	-3.6	0.9
INDUSTRIAL	680	544	526	495	570	-3.5	7.3
MECHANICAL	1,458	1,414	1,599	1,611	1,766	3.9	4.7
METALLURGICAL/MATERIALS	1,063	1,111	1,147	1,188	1,354	5.0	6.8
MINING	132	111	128	130	98	-5.6	-13.2
NUCLEAR	407	473	471	508	547	6.1	3.8
PETROLEUM	70	73	83	99	132	13.5	15.5
ENGINEERING, N.E.C.	339	291	356	404	461	6.3	6.8
PHYSICAL SCIENCES	6,436	6,460	6,799	6,781	7,740	3.8	6.8
ASTRONOMY	227	211	211	197	213	-1.3	4.0
CHEMISTRY	3,066	3,192	3,485	3,542	4,051	5.7	6.9
PHYSICS	3,099	3,016	3,076	3,017	3,452	2.2	7.0
PHYSICAL SCIENCES, N.E.C.	44	41	27	25	24	-11.4	-2.0
ENVIRONMENTAL SCIENCES	2,618	2,778	3,141	3,192	3,452	5.7	4.0
ATMOSPHERIC SCIENCES	404	466	488	497	520	5.2	2.3
GEOSCIENCES	1,284	1,330	1,594	1,599	1,850	7.6	7.6
OCEANOGRAPHY	812	841	890	900	889	1.8	-0.6
ENVIRONMENTAL SCIENCES, N.E.C.	118	141	169	196	193	10.3	-0.8
MATHEMATICAL SCIENCES	1,405	1,369	1,504	1,485	1,626	3.0	4.6
COMPUTER SCIENCE	728	732	782	779	873	3.7	5.9
MATHEMATICS AND APPLIED MATHEMATICS	390	374	434	400	460	3.4	7.2
STATISTICS	287	263	288	306	293	0.4	-2.1
LIFE SCIENCES	10,933	11,423	12,711	13,169	15,129	6.7	7.2
AGRICULTURAL SCIENCES	3,786	4,065	4,305	4,402	4,849	5.1	5.0
BIOLOGICAL SCIENCES	6,355	6,573	7,468	7,751	8,915	7.0	7.2
ANATOMY	51	61	80	98	168	26.9	30.9
BIOCHEMISTRY	1,029	1,010	1,159	1,219	1,422	6.7	8.0
BIOLOGY	758	834	1,010	931	1,104	7.8	8.9
BIOMETRY/EPIDEMIOLOGY	57	61	73	85	84	8.1	-0.6
BIOPHYSICS	135	182	184	173	174	5.2	0.3
BOTANY	667	677	767	843	912	6.5	4.0
CELL BIOLOGY	80	76	98	126	144	12.5	6.9
ECOLOGY	155	154	206	227	217	7.0	-2.2
ENTOMOLOGY/PARASITOLOGY	608	655	659	664	812	6.0	10.6
GENETICS	137	137	157	162	186	6.3	7.2
MICROBIOLOGY	593	652	726	735	892	8.5	10.2
NUTRITION	779	687	800	912	1,004	5.2	4.9
PATHOLOGY	93	87	105	90	165	12.2	35.4
PHARMACOLOGY	239	282	292	311	393	10.5	12.4
PHYSIOLOGY	247	296	346	420	414	10.9	-0.7
ZOOLOGY	501	484	492	443	478	-0.9	3.9
BIOSCIENCES, N.E.C.	226	238	314	312	346	8.9	5.3
HEALTH SCIENCES	792	785	938	1,016	1,365	11.5	15.9
ANESTHESIOLOGY	0	0	1	0	0	0	0
CARDIOLOGY	1	1	0	0	2	14.9	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0
DENTISTRY	0	13	32	14	36	0	60.4
ENDOCRINOLOGY	2	6	2	3	8	32.0	63.3
GASTROENTEROLOGY	1	0	0	0	0	-100.0	0
HEMATOLOGY	1	0	1	4	0	-100.0	-100.0
NEUROLOGY	23	34	18	29	15	-8.2	-28.1
NURSING	22	13	10	28	75	27.8	63.7
OBSTETRICS/GYNECOLOGY	3	11	14	7	8	21.7	6.9
OPHTHALMOLOGY	10	0	0	1	0	-100.0	-100.0
OTORHINOLARYNGOLOGY	5	2	7	6	4	-4.4	-18.4
PEDIATRICS	13	7	7	2	0	-100.0	-100.0
PHARMACEUTICAL SCIENCES	188	171	208	243	358	13.7	21.4
PREVENTIVE MEDICINE/COMMUNITY HEALTH	66	84	111	100	149	17.7	22.1
PSYCHIATRY	10	6	2	1	26	21.1	409.9
PULMONARY DISEASE	3	0	0	0	0	-100.0	0
RADIOLOGY	42	64	77	52	51	4.0	-1.0
SPEECH PATHOLOGY/AUDIOLOGY	153	127	165	186	198	5.3	3.2
SURGERY	12	4	10	9	0	-100.0	-100.0
VETERINARY SCIENCES	133	143	183	253	233	11.9	-4.0
CLINICAL MEDICINE, N.E.C.	47	22	37	27	26	-11.2	-1.9
HEALTH RELATED, N.E.C.	57	77	53	51	176	25.3	85.8
PSYCHOLOGY	2,289	2,208	2,244	2,293	2,333	0.4	0.9
SOCIAL SCIENCES	4,935	5,012	5,070	5,202	5,533	2.3	3.1
AGRICULTURAL ECONOMICS	816	893	880	959	985	3.8	1.3
ANTHROPOLOGY	350	378	339	392	374	1.3	-2.3
ECONOMICS (EXCEPT AGRICULTURAL)	1,102	1,095	1,121	1,099	1,112	0.2	0.6
GEOGRAPHY	217	218	241	230	212	-0.5	-4.0
HISTORY AND PHILOSOPHY OF SCIENCE	9	2	10	12	11	4.1	-4.3
LINGUISTICS	177	138	180	153	171	-0.7	5.7
POLITICAL SCIENCE	870	864	863	780	955	1.9	10.7
SOCIOLOGY	977	918	1,006	1,038	927	-1.0	-5.5
SOCIOLOGY/ANTHROPOLOGY	106	155	98	98	97	-1.8	-0.5
SOCIAL SCIENCES, N.E.C.	311	351	332	441	689	17.2	25.0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-20. FULL-TIME GRADUATE STUDENTS WITH TEACHING ASSISTANTSHIPS IN DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	46,201	47,364	48,327	48,692	49,777	1.5	1.1
ENGINEERING	5,198	5,464	5,632	5,801	6,573	4.8	6.4
AERONAUTICAL	174	160	143	143	172	-0.2	9.7
AGRICULTURAL	36	41	52	46	65	12.5	18.9
BIOMEDICAL	50	69	61	66	90	12.5	16.8
CHEMICAL	602	638	650	716	789	5.6	5.0
CIVIL	740	783	864	923	970	5.6	2.5
ELECTRICAL	1,535	1,603	1,611	1,551	1,836	3.6	8.8
ENGINEERING SCIENCE	228	251	294	294	262	2.8	-5.6
INDUSTRIAL	422	446	543	496	564	6.0	6.6
MECHANICAL	759	764	763	877	1,033	6.4	8.5
METALLURGICAL/MATERIALS	184	202	201	205	199	1.6	-1.5
MINING	29	33	28	39	39	6.1	0.0
NUCLEAR	127	117	129	114	134	1.1	8.4
PETROLEUM	22	20	10	28	38	11.6	16.5
ENGINEERING, N.E.C.	290	277	283	303	382	5.7	12.3
PHYSICAL SCIENCES	10,056	10,193	10,198	10,136	9,547	-1.0	-2.9
ASTRONOMY	155	165	144	145	160	0.6	5.0
CHEMISTRY	6,199	6,347	6,452	6,449	6,099	-0.3	-2.8
PHYSICS	3,681	3,658	3,583	3,528	3,270	-2.3	-3.7
PHYSICAL SCIENCES, N.E.C.	21	23	19	14	18	-3.0	13.4
ENVIRONMENTAL SCIENCES	1,965	2,095	2,181	2,162	2,441	4.4	6.3
ATMOSPHERIC SCIENCES	84	84	95	86	91	1.6	2.9
GEOSCIENCES	1,668	1,751	1,819	1,770	2,002	3.7	6.4
OCEANOGRAPHY	122	117	140	150	161	5.7	3.6
ENVIRONMENTAL SCIENCES, N.E.C.	91	143	127	156	187	15.5	9.5
MATHEMATICAL SCIENCES	6,358	6,462	6,525	6,301	6,417	0.2	0.9
COMPUTER SCIENCE	806	913	1,010	996	1,253	9.2	12.2
MATHEMATICS AND APPLIED MATHEMATICS	5,132	5,054	4,968	4,777	4,584	-2.2	-2.6
STATISTICS	420	495	547	528	580	6.7	4.8
LIFE SCIENCES	10,586	11,005	11,426	11,645	11,564	1.8	-0.3
AGRICULTURAL SCIENCES	735	838	941	988	962	5.5	-1.3
BIOLOGICAL SCIENCES	8,497	8,781	9,042	9,077	8,764	0.6	-1.7
ANATOMY	248	263	311	313	335	6.2	3.5
BIOCHEMISTRY	543	553	580	617	546	0.1	-5.9
BIOLOGY	2,961	3,161	3,274	3,347	3,193	1.5	-2.3
BIOMETRY/EPIDEMIOLOGY	18	31	39	38	46	20.6	10.0
BIOPHYSICS	47	55	42	37	28	-9.8	-13.0
BOTANY	838	825	820	806	831	-0.2	1.5
CELL BIOLOGY	102	138	113	96	95	-1.4	-0.5
ECOLOGY	130	173	230	238	233	12.4	-1.1
ENTOMOLOGY/PARASITOLOGY	125	140	155	152	162	5.3	3.2
GENETICS	103	97	125	145	106	0.6	-14.5
MICROBIOLOGY	858	868	899	931	765	-2.3	-9.4
NUTRITION	203	225	217	251	272	6.0	4.1
PATHOLOGY	24	31	32	50	60	20.1	9.5
PHARMACOLOGY	208	200	210	182	220	1.1	9.9
PHYSIOLOGY	386	404	401	375	380	-0.3	0.7
ZOOLOGY	1,496	1,408	1,379	1,261	1,220	-4.0	-1.6
BIOSCIENCES, N.E.C.	207	209	215	238	272	5.6	6.9
HEALTH SCIENCES	1,354	1,386	1,443	1,580	1,838	6.3	7.9
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0
DENTISTRY	71	90	125	144	199	22.9	17.6
ENDOCRINOLOGY	7	5	8	5	10	7.4	41.4
GASTROENTEROLOGY	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0
NEUROLOGY	29	37	24	21	23	-4.5	4.7
NURSING	79	54	108	161	197	20.1	10.6
OBSTETRICS/GYNECOLOGY	0	2	3	0	1	0	0
OPHTHALMOLOGY	0	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	3	0	0	-100.0
PEDIATRICS	1	3	2	0	0	-100.0	0
PHARMACEUTICAL SCIENCES	562	594	574	608	627	2.2	1.6
PREVENTIVE MEDICINE/COMMUNITY HEALTH	35	33	68	54	73	15.8	16.3
PSYCHIATRY	17	11	11	18	1	-43.3	-76.4
PULMONARY DISEASE	1	0	0	0	1	0.0	0
RADIOLOGY	10	7	15	13	15	8.4	7.4
SPEECH PATHOLOGY/AUDIOLOGY	385	380	323	369	433	2.4	8.3
SURGERY	1	0	1	4	0	-100.0	-100.0
VETERINARY SCIENCES	87	100	89	114	127	7.9	5.5
CLINICAL MEDICINE, N.E.C.	27	21	27	32	20	-5.8	-20.9
HEALTH RELATED, N.E.C.	42	49	65	34	111	21.5	80.7
PSYCHOLOGY	3,897	4,044	4,068	4,174	4,180	1.4	0.1
SOCIAL SCIENCES	8,141	8,161	8,297	8,473	9,055	2.2	3.4
AGRICULTURAL ECONOMICS	60	65	91	85	89	5.5	2.3
ANTHROPOLOGY	948	889	885	817	837	-2.5	1.2
ECONOMICS (EXCEPT AGRICULTURAL)	1,782	1,877	1,969	2,078	2,152	3.8	1.8
GEOGRAPHY	761	722	723	729	715	-1.2	-1.0
HISTORY AND PHILOSOPHY OF SCIENCE	45	59	67	78	67	8.3	-7.3
LINGUISTICS	715	756	785	880	972	6.3	5.1
POLITICAL SCIENCE	1,588	1,608	1,635	1,617	1,943	4.1	9.6
SOCIOLOGY	1,690	1,604	1,578	1,622	1,581	-1.3	-1.3
SOCIOLOGY/ANTHROPOLOGY	216	221	235	225	217	0.1	-1.8
SOCIAL SCIENCES, N.E.C.	328	360	329	342	482	8.0	10.7

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-21. FULL-TIME GRADUATE STUDENTS WITH OTHER TYPES OF SUPPORT IN DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	71,595	84,497	86,185	86,631	86,710	3.9	0.0
ENGINEERING	12,699	16,162	14,912	14,530	15,672	4.3	3.9
AERONAUTICAL	410	412	390	430	377	-1.7	-6.4
AGRICULTURAL	107	136	210	213	215	15.0	0.5
BIOMEDICAL	250	324	307	305	324	5.3	3.1
CHEMICAL	745	898	909	1,012	1,152	9.1	6.7
CIVIL	2,270	3,124	2,575	2,605	2,929	5.2	6.0
ELECTRICAL	3,077	3,605	3,503	3,546	3,650	3.5	1.5
ENGINEERING SCIENCE	487	677	645	547	543	2.2	-0.4
INDUSTRIAL	2,132	3,084	2,678	2,326	2,536	3.5	4.4
MECHANICAL	1,475	1,788	1,636	1,505	1,682	2.7	5.7
METALLURGICAL/MATERIALS	240	289	263	326	338	7.1	1.8
MINING	76	124	94	103	74	-0.5	-15.2
NUCLEAR	361	378	354	341	303	-3.4	-5.7
PETROLEUM	113	84	117	98	119	1.0	10.2
ENGINEERING, N.E.C.	956	1,239	1,231	1,173	1,430	8.4	10.4
PHYSICAL SCIENCES	2,423	2,516	2,439	2,508	2,339	-0.7	-3.4
ASTRONOMY	91	102	78	64	53	-10.2	-9.0
CHEMISTRY	976	1,117	1,065	1,149	1,233	4.8	3.6
PHYSICS	1,285	1,254	1,263	1,244	994	-5.0	-10.6
PHYSICAL SCIENCES, N.E.C.	71	43	33	51	59	-3.6	7.6
ENVIRONMENTAL SCIENCES	2,698	2,895	2,978	3,045	2,940	1.7	-1.7
ATMOSPHERIC SCIENCES	255	266	226	232	163	-8.6	-16.2
GEOSCIENCES	1,764	1,952	1,933	1,945	1,942	1.9	-0.1
OCEANOGRAPHY	565	504	521	540	507	-2.1	-3.1
ENVIRONMENTAL SCIENCES, N.E.C.	114	173	298	328	328	23.5	0.0
MATHEMATICAL SCIENCES	4,386	4,708	4,992	4,727	4,583	0.9	-1.5
COMPUTER SCIENCE	2,002	2,187	2,402	2,315	2,699	6.2	8.0
MATHEMATICS AND APPLIED MATHEMATICS	2,055	2,036	2,124	1,912	1,502	-6.1	-11.4
STATISTICS	329	485	466	500	382	3.0	-12.6
LIFE SCIENCES	18,108	20,818	22,317	22,938	22,959	4.9	0.0
AGRICULTURAL SCIENCES	3,071	3,581	4,067	4,132	3,696	3.8	-5.4
BIOLOGICAL SCIENCES	8,811	10,216	10,352	10,450	9,092	0.6	-6.7
ANATOMY	271	306	345	329	239	-2.5	-14.8
BIOCHEMISTRY	511	537	453	507	457	-2.2	-5.1
BIOLOGY	2,445	3,200	3,140	3,018	2,378	-0.6	-11.2
BIOMETRY/EPIDEMIOLOGY	171	186	156	248	281	10.4	6.4
BIOPHYSICS	102	113	120	106	92	-2.0	-6.8
BOTANY	625	620	678	721	565	-2.0	-11.5
CELL BIOLOGY	44	68	60	32	74	11.0	52.1
ECOLOGY	154	244	206	280	171	2.1	-21.9
ENTOMOLOGY/PARASITOLOGY	316	451	476	474	360	2.6	-12.9
GENETICS	175	180	187	176	179	0.5	0.8
MICROBIOLOGY	869	897	892	909	750	-2.9	-9.2
NUTRITION	758	846	973	1,062	1,173	9.1	3.1
PATHOLOGY	296	341	401	435	419	7.2	-1.9
PHARMACOLOGY	239	315	356	391	341	7.4	-6.6
PHYSIOLOGY	615	663	609	559	558	-1.9	-0.1
ZOOLOGY	823	843	779	675	496	-9.6	-14.3
BIOSCIENCES, N.E.C.	397	406	521	528	559	7.1	2.9
HEALTH SCIENCES	6,226	7,021	7,898	8,356	10,171	10.3	10.3
ANESTHESIOLOGY	46	0	0	2	15	-20.1	173.9
CARDIOLOGY	6	1	0	0	0	-100.0	0.0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0.0	0.0
DENTISTRY	586	722	632	686	747	5.0	4.4
ENDOCRINOLOGY	7	17	10	16	6	-3.0	-38.8
GASTROENTEROLOGY	2	0	0	0	0	-100.0	0.0
HEMATOLOGY	0	3	2	0	2	0.0	0.0
NEUROLOGY	17	17	19	24	10	-10.1	-35.5
NURSING	835	772	1,028	1,340	2,242	21.8	29.3
OBSTETRICS/GYNECOLOGY	8	11	10	4	4	-12.9	0.0
OPHTHALMOLOGY	1	1	1	1	1	0.0	0.0
OTORHINOLARYNGOLOGY	9	10	11	22	6	-7.8	-47.8
PEDIATRICS	21	30	60	34	35	10.8	1.5
PHARMACEUTICAL SCIENCES	323	441	408	504	412	5.0	-9.6
PREVENTIVE MEDICINE/COMMUNITY HEALTH	1,183	1,442	1,758	1,738	2,099	12.2	9.9
PSYCHIATRY	35	73	74	75	78	17.4	2.0
PULMONARY DISEASE	1	0	0	0	0	-100.0	0.0
RADIOLOGY	91	93	63	108	89	-0.4	-9.2
SPEECH PATHOLOGY/AUDIOLOGY	1,588	2,244	2,332	2,300	2,183	6.6	-2.6
SURGERY	27	24	21	23	23	-3.2	0.0
VETERINARY SCIENCES	188	173	209	209	260	6.7	11.5
CLINICAL MEDICINE, N.E.C.	401	190	205	320	346	-2.9	4.0
HEALTH RELATED, N.E.C.	851	757	1,055	950	1,613	13.6	30.3
PSYCHOLOGY	8,187	9,054	10,919	10,774	10,548	5.2	-1.1
SOCIAL SCIENCES	23,094	28,344	27,628	28,109	27,669	3.7	-0.8
AGRICULTURAL ECONOMICS	474	697	797	627	731	9.1	8.0
ANTHROPOLOGY	2,349	2,667	2,768	2,872	2,411	0.5	-8.4
ECONOMICS (EXCEPT AGRICULTURAL)	2,559	3,223	3,022	3,199	3,189	4.5	-0.2
GEOGRAPHY	783	965	1,025	887	785	0.1	-5.9
HISTORY AND PHILOSOPHY OF SCIENCE	109	107	103	99	88	-4.2	-5.7
LINGUISTICS	1,190	1,638	1,608	1,299	1,089	-1.8	-8.4
POLITICAL SCIENCE	6,474	8,227	7,541	7,873	7,693	3.5	-1.1
SOCIOLOGY	3,657	4,346	3,940	3,522	3,088	-3.3	-6.4
SOCIOLOGY/ANTHROPOLOGY	476	527	239	361	214	-14.8	-23.0
SOCIAL SCIENCES, N.E.C.	5,023	5,947	6,585	7,370	8,381	10.8	6.6

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-22. FULL-TIME GRADUATE STUDENTS WITH U.S. CITIZENSHIP IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	164,212	177,694	180,327	181,584	179,262	1.8	-0.6
ENGINEERING	22,713	25,284	24,139	23,471	23,103	0.3	-0.8
AERONAUTICAL	863	827	692	699	629	-6.1	-5.1
AGRICULTURAL	299	346	342	378	423	7.2	5.8
BIOMEDICAL	562	669	633	594	681	3.9	8.0
CHEMICAL	1,916	2,165	2,194	2,398	2,496	5.4	2.0
CIVIL	4,054	4,640	4,231	4,061	3,723	-1.7	-4.3
ELECTRICAL	5,249	5,547	5,295	5,286	5,074	-0.7	-2.0
ENGINEERING SCIENCE	1,055	1,162	1,160	967	953	-2.0	-0.7
INDUSTRIAL	2,584	3,261	2,822	2,464	2,532	-0.4	1.4
MECHANICAL	2,775	2,891	2,825	2,746	2,754	-0.2	0.1
METALLURGICAL/MATERIALS	1,009	1,092	1,149	1,200	1,118	2.1	-3.5
MINING	144	202	247	269	217	8.5	-10.2
NUCLEAR	757	865	847	774	645	-3.2	-8.7
PETROLEUM	98	93	116	115	117	3.6	0.9
ENGINEERING, N.E.C.	1,348	1,524	1,586	1,530	1,741	5.2	6.7
PHYSICAL SCIENCES	16,938	17,047	17,344	17,344	16,735	-0.2	-1.8
ASTRONOMY	517	511	465	439	446	-2.9	0.8
CHEMISTRY	9,402	9,622	9,901	10,091	10,052	1.3	-0.2
PHYSICS	6,897	6,809	6,889	6,733	6,140	-2.3	-4.5
PHYSICAL SCIENCES, N.E.C.	122	105	89	81	97	-4.5	9.4
ENVIRONMENTAL SCIENCES	7,334	7,759	8,324	8,486	8,639	3.3	0.9
ATMOSPHERIC SCIENCES	730	760	744	736	650	-2.3	-6.0
GEOSCIENCES	4,736	5,080	5,433	5,541	5,775	4.0	2.1
OCEANOGRAPHY	1,490	1,423	1,481	1,473	1,425	-0.9	-1.6
ENVIRONMENTAL SCIENCES, N.E.C.	378	496	666	736	789	15.9	3.5
MATHEMATICAL SCIENCES	10,889	11,118	11,236	10,519	9,706	-2.3	-3.9
COMPUTER SCIENCE	2,957	3,204	3,430	3,319	3,685	4.5	5.4
MATHEMATICS AND APPLIED MATHEMATICS	7,082	6,932	6,825	6,258	5,204	-6.0	-8.8
STATISTICS	850	982	981	942	817	-0.8	-6.9
LIFE SCIENCES	48,155	52,771	54,947	57,245	58,383	3.9	1.0
AGRICULTURAL SCIENCES	6,747	7,576	8,136	8,383	8,023	3.5	-2.2
BIOLOGICAL SCIENCES	28,649	30,982	31,474	31,994	30,966	1.6	-1.6
ANATOMY	900	941	997	1,005	968	1.5	-1.9
BIOCHEMISTRY	2,969	2,957	3,024	3,097	3,079	0.7	-0.3
BIOLOGY	7,046	8,225	8,347	8,294	7,538	1.4	-8.7
BIOMETRY/EPIDEMIOLOGY	481	523	461	580	630	5.5	4.2
BIOPHYSICS	555	610	587	524	472	-3.2	-5.1
BOTANY	2,025	2,016	2,160	2,264	2,150	1.2	-2.6
CELL BIOLOGY	402	484	456	501	599	8.3	9.3
ECOLOGY	482	622	695	786	651	6.2	-9.0
ENTOMOLOGY/PARASITOLOGY	992	1,142	1,165	1,143	1,241	4.6	4.2
GENETICS	636	667	669	774	714	2.3	-4.0
MICROBIOLOGY	3,022	3,171	3,221	3,278	3,014	-0.1	-4.1
NUTRITION	1,561	1,612	1,746	1,985	2,117	6.3	3.3
PATHOLOGY	733	794	803	798	859	3.2	3.8
PHARMACOLOGY	1,138	1,346	1,422	1,461	1,599	7.0	4.6
PHYSIOLOGY	1,807	1,960	1,824	1,829	1,737	-0.8	-2.5
ZOOLOGY	2,968	2,948	2,742	2,489	2,258	-5.3	-4.8
BIOSCIENCES, N.E.C.	932	964	1,155	1,186	1,340	7.5	6.3
HEALTH SCIENCES	12,759	14,213	15,337	16,868	19,394	8.7	7.2
ANESTHESIOLOGY	38	52	4	3	17	-14.9	138.0
CARDIOLOGY	39	17	0	3	3	-40.1	0.0
CLINICAL PHARMACOLOGY	1	3	24	5	0	-100.0	-100.0
DENTISTRY	740	943	821	848	937	4.8	5.1
ENDOCRINOLOGY	23	38	28	28	43	13.3	23.9
GASTROENTEROLOGY	39	10	8	8	0	-100.0	-100.0
HEMATOLOGY	20	3	3	5	7	-18.9	10.3
NEUROLOGY	120	181	150	162	162	6.2	0.0
NURSING	2,303	2,730	3,769	5,132	5,959	20.9	7.8
OBSTETRICS/GYNECOLOGY	50	43	44	20	25	-12.9	11.8
OPHTHALMOLOGY	34	22	8	8	3	-38.5	-38.8
OTORHINOLARYNGOLOGY	65	41	52	52	21	-20.2	-36.5
PEDIATRICS	107	104	112	81	86	-4.3	3.0
PHARMACEUTICAL SCIENCES	950	1,061	1,011	1,158	1,154	4.0	-0.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,335	2,828	3,058	2,918	3,558	8.8	10.4
PSYCHIATRY	194	166	138	141	156	-4.3	5.2
PULMONARY DISEASE	37	7	0	3	1	-51.4	-42.3
RADIOLOGY	205	218	173	192	158	-5.1	-9.3
SPEECH PATHOLOGY/AUDIOLOGY ..	2,751	3,471	3,450	3,523	3,495	4.9	-0.4
SURGERY	93	98	91	76	53	-10.6	-16.5
VETERINARY SCIENCES	399	417	470	531	539	6.2	0.8
CLINICAL MEDICINE, N.E.C.	850	366	345	489	490	-10.4	0.1
HEALTH RELATED, N.E.C.	1,366	1,394	1,578	1,482	2,527	13.1	30.6
PSYCHOLOGY	18,370	19,208	20,980	20,802	19,744	1.5	-2.6
SOCIAL SCIENCES	39,813	44,507	43,357	43,717	42,952	1.5	-0.9
AGRICULTURAL ECONOMICS	1,003	1,280	1,362	1,343	1,314	5.6	-1.1
ANTHROPOLOGY	4,325	4,581	4,639	4,638	4,130	-0.9	-5.6
ECONOMICS (EXCEPT AGRICULTURAL)	4,835	5,544	5,115	5,226	4,804	-0.1	-4.1
GEOGRAPHY	1,783	1,917	1,964	1,829	1,556	-2.7	-7.8
HISTORY AND PHILOSOPHY OF SCIENCE	227	234	246	232	204	-2.1	-6.2
LINGUISTICS	2,166	2,596	2,675	2,392	2,194	0.3	-4.2
POLITICAL SCIENCE	9,905	11,530	10,807	10,858	11,043	2.2	0.8
SOCIOLOGY	7,270	7,711	7,204	6,669	5,901	-4.1	-5.9
SOCIOLOGY/ANTHROPOLOGY	879	980	659	709	514	-10.2	-14.9
SOCIAL SCIENCES, N.E.C.	7,420	8,134	8,686	9,821	11,292	8.8	7.2

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-23. FOREIGN FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	31,694	33,128	34,402	36,861	44,795	7.2	10.2
ENGINEERING	11,004	11,854	12,298	13,310	16,179	8.0	10.3
AERONAUTICAL	395	403	434	459	513	5.4	5.7
AGRICULTURAL	189	231	299	314	321	11.2	1.1
BIOMEDICAL	106	89	86	101	114	1.5	6.2
CHEMICAL	1,402	1,425	1,543	1,618	1,855	5.8	7.1
CIVIL	1,812	1,951	1,851	2,159	2,763	8.8	13.1
ELECTRICAL	2,401	2,586	2,708	2,993	3,709	9.1	11.3
ENGINEERING SCIENCE	523	519	523	536	522	0.0	-1.3
INDUSTRIAL	1,021	1,241	1,214	1,348	1,507	8.1	5.7
MECHANICAL	1,438	1,533	1,644	1,724	2,241	9.3	14.0
METALLURGICAL/MATERIALS	685	728	742	776	1,045	8.8	16.0
MINING	137	148	166	181	144	1.0	-10.8
NUCLEAR	304	402	386	391	467	9.0	9.3
PETROLEUM	163	165	235	225	250	8.9	5.4
ENGINEERING, N.E.C.	428	433	467	485	728	11.2	22.5
PHYSICAL SCIENCES	4,478	4,396	4,443	4,589	5,187	3.0	6.3
ASTRONOMY	47	59	60	61	63	6.0	1.6
CHEMISTRY	2,295	2,344	2,458	2,475	2,738	3.6	5.2
PHYSICS	2,114	1,987	1,919	2,040	2,375	2.4	7.9
PHYSICAL SCIENCES, N.E.C.	21	6	6	13	11	-12.1	-8.0
ENVIRONMENTAL SCIENCES	867	913	974	1,107	1,280	8.1	7.5
ATMOSPHERIC SCIENCES	117	132	144	138	167	7.4	10.0
GEOSCIENCES	524	535	589	651	697	5.9	3.5
OCEANOGRAPHY	184	202	199	250	281	8.8	6.0
ENVIRONMENTAL SCIENCES, N.E.C.	42	44	42	68	135	26.3	40.9
MATHEMATICAL SCIENCES	2,520	2,721	3,053	3,263	4,253	11.0	14.2
COMPUTER SCIENCE	819	971	1,076	1,085	1,590	14.2	21.1
MATHEMATICS AND APPLIED MATHEMATICS	1,305	1,312	1,484	1,645	2,066	9.6	12.1
STATISTICS	396	438	493	533	597	8.6	5.8
LIFE SCIENCES	6,495	6,465	6,702	6,893	8,153	4.7	8.8
AGRICULTURAL SCIENCES	1,746	1,921	2,029	2,046	2,241	5.1	4.7
BIOLOGICAL SCIENCES	3,380	3,301	3,360	3,498	3,907	2.9	5.7
ANATOMY	64	59	44	55	74	2.9	16.0
BIOCHEMISTRY	464	416	390	418	420	-2.0	0.2
BIOLOGY	450	521	533	532	630	7.0	8.8
BIOMETRY/EPIDEMIOLOGY	78	66	61	77	113	7.7	21.1
BIOPHYSICS	91	98	80	96	84	-1.6	-6.5
BOTANY	293	295	296	321	341	3.1	3.1
CELL BIOLOGY	59	57	48	51	61	0.7	9.4
ECOLOGY	30	34	29	30	53	12.1	32.9
ENTOMOLOGY/PARASITOLOGY	195	231	245	234	220	2.4	-3.0
GENETICS	100	86	90	104	93	-1.4	-5.4
MICROBIOLOGY	314	298	279	275	337	1.4	10.7
NUTRITION	582	543	581	621	687	3.4	5.2
PATHOLOGY	106	96	117	115	149	7.0	13.8
PHARMACOLOGY	155	159	149	161	187	3.8	7.8
PHYSIOLOGY	159	114	136	118	181	2.6	23.9
ZOOLOGY	115	110	132	126	137	3.6	4.3
BIOSCIENCES, N.E.C.	125	118	150	164	140	2.3	-7.6
HEALTH SCIENCES	1,369	1,243	1,313	1,349	2,005	7.9	21.9
ANESTHESIOLOGY	21	3	1	0	1	-45.6	00
CARDIOLOGY	4	5	0	0	0	-100.0	00
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0
DENTISTRY	119	111	169	176	247	15.7	18.5
ENDOCRINOLOGY	5	4	5	3	1	-27.5	-42.3
GASTROENTEROLOGY	7	1	0	0	0	-100.0	00
HEMATOLOGY	2	0	0	0	0	-100.0	00
NEUROLOGY	18	12	10	12	11	-9.4	-4.3
NURSING	48	53	70	146	182	30.5	11.7
OBSTETRICS/GYNECOLOGY	7	8	8	5	8	2.7	26.5
OPHTHALMOLOGY	6	2	0	0	0	-100.0	00
OTORHINOLARYNGOLOGY	1	9	12	4	3	24.6	-13.4
PEDIATRICS	12	7	5	5	2	-30.1	-36.8
PHARMACEUTICAL SCIENCES	399	412	405	417	486	4.0	8.0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	303	287	281	227	385	4.9	30.2
PSYCHIATRY	11	2	4	3	8	-6.2	63.3
PULMONARY DISEASE	10	0	0	0	0	-100.0	00
RADIOLOGY	27	27	26	25	35	5.3	18.3
SPEECH PATHOLOGY/AUDIOLOGY	64	70	60	59	126	14.5	46.1
SURGERY	14	16	16	7	6	-15.6	-7.4
VETERINARY SCIENCES	107	112	128	144	209	14.3	20.5
CLINICAL MEDICINE, N.E.C.	120	40	28	37	28	-25.3	-13.0
HEALTH RELATED, N.E.C.	64	62	85	79	267	33.1	83.8
PSYCHOLOGY	536	567	566	611	961	12.4	25.4
SOCIAL SCIENCES	5,794	6,212	6,366	7,088	8,782	8.7	11.3
AGRICULTURAL ECONOMICS	609	645	611	643	663	1.7	1.5
ANTHROPOLOGY	272	252	252	285	320	3.3	6.0
ECONOMICS (EXCEPT AGRICULTURAL)	2,058	2,216	2,480	2,731	3,000	7.8	4.8
GEOGRAPHY	218	237	242	249	325	8.3	14.2
HISTORY AND PHILOSOPHY OF SCIENCE	20	25	24	25	30	8.4	9.5
LINGUISTICS	192	434	456	499	692	12.0	17.8
POLITICAL SCIENCE	1,092	1,272	1,185	1,398	2,034	13.2	20.6
SOCIOLOGY	812	787	808	821	1,079	5.9	14.6
SOCIOLOGY/ANTHROPOLOGY	75	78	70	87	120	9.9	17.4
SOCIAL SCIENCES, N.E.C.	246	266	238	350	519	16.1	21.8

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-24. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-79

DIVISION AND STATE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL INSTITUTIONS	195,936	210,822	214,729	218,445	216,849	224,057	2.7	1.3	3.3
NEW ENGLAND	15,744	15,782	16,978	16,700	17,018	17,990	2.7	3.8	5.7
CONNECTICUT	2,927	2,820	3,111	3,044	3,039	3,120	1.3	1.2	2.7
MAINE	333	364	389	378	378	355	1.3	-3.1	-6.1
MASSACHUSETTS	10,340	10,316	11,224	11,020	11,374	12,192	4.0	5.2	7.2
NEW HAMPSHIRE	662	587	601	632	530	620	-1.3	-1.0	17.0
RHODE ISLAND	1,311	1,317	1,268	1,281	1,353	1,342	0.5	2.4	-0.8
VERMONT	471	378	385	345	344	361	-5.2	2.3	4.9
MIDDLE ATLANTIC	29,165	31,275	30,856	31,400	30,864	32,079	1.9	1.1	3.9
NEW JERSEY	3,240	3,805	3,548	3,494	3,490	3,653	2.4	2.3	4.7
NEW YORK	18,256	19,311	18,662	19,078	18,722	19,522	1.4	1.2	4.3
PENNSYLVANIA	7,669	8,159	8,706	8,828	8,652	8,904	3.0	0.4	2.9
EAST NORTH CENTRAL	41,986	43,545	43,721	44,054	42,803	43,486	0.7	-0.6	1.6
ILLINOIS	11,323	11,487	11,193	11,283	11,229	11,312	0.5	0.1	3.7
INDIANA	5,521	5,671	5,743	5,654	5,677	5,651	0.5	0.0	-0.5
MICHIGAN	10,506	10,130	9,896	10,234	9,666	9,895	-1.2	-1.7	2.4
OHIO	9,052	9,576	10,648	10,711	10,316	10,734	3.5	0.1	4.1
WISCONSIN	5,884	6,681	6,241	6,172	5,915	5,894	0.0	-2.3	-0.4
WEST NORTH CENTRAL	14,590	16,475	17,004	16,871	16,628	17,238	3.4	1.1	3.7
IOWA	2,481	2,942	3,140	3,101	3,199	3,464	6.9	5.7	8.3
KANSAS	2,620	2,827	3,034	3,104	3,062	3,103	3.4	0.0	1.3
MINNESOTA	3,961	4,439	4,238	4,054	4,050	4,259	1.5	2.5	5.2
MISSOURI	3,637	4,203	4,276	4,200	3,893	3,944	1.6	-3.1	1.3
NEBRASKA	889	1,015	1,191	1,329	1,326	1,431	10.0	3.8	7.9
NORTH DAKOTA	571	631	701	607	633	589	0.6	-1.5	-7.0
SOUTH DAKOTA	431	418	424	476	465	448	0.8	-3.0	-3.7
SOUTH ATLANTIC	26,160	28,455	28,072	29,249	29,140	30,584	3.2	2.3	5.0
DELAWARE	570	590	572	630	635	710	4.5	6.2	11.8
DISTRICT OF COLUMBIA	2,857	3,792	3,229	3,754	3,499	3,965	6.8	2.8	13.3
FLORIDA	4,864	4,961	5,154	4,943	4,998	5,384	2.0	4.2	7.3
GEORGIA	3,484	3,614	3,616	3,792	3,951	4,020	2.9	3.0	1.7
MARYLAND	4,057	3,929	3,457	3,480	3,420	3,518	-2.8	0.5	2.9
NORTH CAROLINA	4,558	4,808	4,844	5,141	5,193	5,458	3.7	3.0	5.1
SOUTH CAROLINA	1,540	1,833	1,929	1,937	1,755	1,799	3.2	-3.6	2.5
VIRGINIA	3,099	3,663	3,892	4,097	4,212	4,361	7.1	3.2	3.5
WEST VIRGINIA	1,131	1,265	1,379	1,475	1,477	1,389	4.2	-3.0	-6.0
EAST SOUTH CENTRAL	7,318	8,424	8,852	9,285	9,275	9,416	5.2	0.7	1.5
ALABAMA	1,436	1,635	1,865	2,080	2,292	2,438	11.2	8.3	6.4
KENTUCKY	1,497	1,700	1,725	1,774	1,746	1,818	4.0	1.2	4.1
MISSISSIPPI	1,121	1,411	1,434	1,482	1,546	1,526	6.4	1.5	-1.3
TENNESSEE	3,264	3,678	3,828	3,949	3,691	3,634	2.2	-4.1	-1.5
WEST SOUTH CENTRAL	15,692	16,375	17,272	18,208	18,243	18,973	3.9	2.1	4.0
ARKANSAS	653	695	753	781	744	774	3.5	-0.4	4.0
LOUISIANA	2,296	2,068	2,063	2,226	2,493	2,482	1.6	5.6	-0.4
OKLAHOMA	2,503	2,464	2,437	2,677	2,669	2,730	1.8	1.0	2.3
TEXAS	10,240	11,148	12,019	12,524	12,337	12,987	4.9	1.8	5.3
MOUNTAIN	13,574	15,789	15,581	15,207	15,203	15,164	2.2	-0.1	-0.3
ARIZONA	3,256	3,372	3,455	3,410	3,417	3,452	1.2	0.6	1.0
COLORADO	4,757	6,170	5,789	5,416	5,198	5,112	1.4	-2.8	-1.7
IDAHO	592	699	740	792	795	653	2.0	-9.2	-17.9
MONTANA	666	709	739	717	687	686	0.6	-2.2	-0.1
NEVADA	328	357	399	346	326	361	1.9	2.1	10.7
NEW MEXICO	966	1,266	1,248	1,263	1,439	1,522	9.5	9.8	5.8
UTAH	2,474	2,625	2,613	2,668	2,741	2,821	2.7	2.8	2.9
WYOMING	535	591	598	595	600	557	0.8	-3.2	-7.2
PACIFIC	30,771	33,635	35,377	36,394	36,619	38,172	4.4	2.4	4.2
ALASKA	160	131	170	190	223	234	7.9	11.0	4.9
CALIFORNIA	23,338	26,038	27,075	27,319	27,675	29,076	4.5	3.2	5.1
HAWAII	1,281	1,331	1,353	1,373	1,333	1,348	1.0	-0.9	1.1
OREGON	2,161	2,276	2,398	2,681	2,706	2,751	4.9	1.3	1.7
WASHINGTON	3,831	3,859	4,381	4,831	4,682	4,763	4.5	-0.7	1.7
OUTLYING AREAS	906	1,067	1,016	1,077	1,056	955	1.1	-5.8	-9.6

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-25. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE
AND SOURCE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL AREAS:									
TOTAL, ALL SOURCES	195,906	210,822	214,729	218,445	216,849	224,057	2.7	1.3	3.3
FEDERAL, TOTAL	48,007	48,289	48,614	50,501	51,302	52,978	2.0	2.4	3.3
DEPT OF DEFENSE	5,347	5,084	4,798	4,993	4,993	4,998	-2.1	0.1	0.0
DEPT OF HEW, TOTAL	20,022	20,869	20,366	21,118	21,763	22,714	2.6	3.7	4.1
NIM	11,919	12,214	11,365	10,931	10,973	11,959	0.1	4.6	9.0
OTHER HEW	8,103	8,655	9,001	10,187	10,790	10,755	5.8	2.8	-0.3
NSF	8,818	8,798	8,964	9,024	9,013	9,272	1.0	1.4	2.9
ALL OTHER FEDERAL	13,620	13,538	14,486	15,366	20,526	15,994	3.3	2.0	-22.1
INSTITUTIONAL SUPPORT	75,396	77,286	79,508	80,860	79,902	83,048	2.0	1.3	3.9
OTHER OUTSIDE SUPPORT, TOTAL ...	16,380	16,857	17,688	18,258	19,265	20,128	4.2	5.0	6.5
ALL OTHER U.S.	11,851	11,445	11,381	11,351	11,351	12,569	1.2	5.2	0.0
FOREIGN	4,529	5,412	6,307	6,907	7,914	7,559	10.8	4.6	0.0
SELF-SUPPORT	56,123	68,390	68,919	68,826	66,380	67,903	3.9	-0.7	2.3
ENGINEERING:									
TOTAL, ALL SOURCES	33,717	37,138	36,437	36,781	37,026	39,282	3.1	3.3	6.1
FEDERAL, TOTAL	10,178	10,257	10,491	10,673	10,641	11,006	1.6	1.5	3.4
DEPT OF DEFENSE	2,853	2,863	2,641	2,802	2,802	2,770	-0.6	-0.6	0.0
DEPT OF HEW, TOTAL	872	1,010	1,042	979	1,064	1,096	4.7	5.8	3.0
NIM	647	695	678	550	548	504	-4.9	-4.3	-8.0
OTHER HEW	225	315	364	429	516	592	21.3	17.5	18.7
NSF	2,488	2,577	2,554	2,515	2,342	2,411	-0.6	-2.1	2.9
ALL OTHER FEDERAL	3,965	3,807	4,254	4,377	7,235	4,729	3.6	3.9	-34.6
INSTITUTIONAL SUPPORT	10,063	10,252	10,476	10,549	10,486	11,362	2.5	3.8	8.4
OTHER OUTSIDE SUPPORT, TOTAL ...	4,370	4,512	4,865	5,137	5,331	5,771	5.7	6.0	8.3
ALL OTHER U.S.	3,158	3,029	3,127	3,209	3,209	3,798	3.8	8.8	0.0
FOREIGN	1,212	1,483	1,738	1,928	2,122	1,973	10.2	1.2	0.0
SELF-SUPPORT	9,106	12,117	10,605	10,422	10,568	11,143	4.1	3.4	5.4
PHYSICAL SCIENCES:									
TOTAL, ALL SOURCES	21,416	21,443	21,787	21,933	21,657	21,922	0.5	0.0	1.2
FEDERAL, TOTAL	6,233	6,300	6,455	6,631	7,012	7,447	3.6	6.0	6.2
DEPT OF DEFENSE	675	604	561	633	600	672	-0.1	3.0	0.0
DEPT OF HEW, TOTAL	1,162	1,282	1,362	1,331	1,408	1,568	6.2	8.5	11.4
NIM	1,046	1,215	1,250	1,190	1,278	1,399	6.0	8.4	9.5
OTHER HEW	116	67	112	141	130	169	7.8	9.5	30.0
NSF	2,656	2,584	2,749	2,738	2,803	2,949	2.1	3.8	5.2
ALL OTHER FEDERAL	1,740	1,830	1,783	1,929	2,801	2,258	5.4	8.2	-19.4
INSTITUTIONAL SUPPORT	12,080	12,078	12,273	12,319	11,832	11,543	-0.9	-3.2	-2.4
OTHER OUTSIDE SUPPORT, TOTAL ...	1,312	1,191	1,328	1,356	1,349	1,461	2.2	3.8	8.3
ALL OTHER U.S.	1,061	915	952	959	959	1,066	0.1	5.4	0.0
FOREIGN	251	276	376	397	390	395	9.5	-0.3	0.0
SELF-SUPPORT	1,791	1,874	1,731	1,627	1,484	1,471	-3.9	-4.9	0.5
ENVIRONMENTAL SCIENCES:									
TOTAL, ALL SOURCES	8,201	8,672	9,298	9,593	9,695	9,919	3.9	1.7	2.3
FEDERAL, TOTAL	2,621	2,661	2,867	3,039	3,097	3,414	5.4	6.0	10.2
DEPT OF DEFENSE	538	456	435	392	392	392	-6.1	0.0	0.0
DEPT OF HEW, TOTAL	65	94	123	218	233	254	31.3	7.9	9.0
NIM	36	42	34	44	31	44	4.1	-5.2	41.9
OTHER HEW	29	52	89	169	202	210	48.6	11.5	4.0
NSF	1,089	1,152	1,196	1,208	1,248	1,276	3.2	2.8	2.2
ALL OTHER FEDERAL	929	959	1,113	1,221	1,616	1,492	9.9	10.5	-7.7
INSTITUTIONAL SUPPORT	2,978	3,156	3,427	3,512	3,430	3,472	3.1	-0.6	1.2
OTHER OUTSIDE SUPPORT, TOTAL ...	709	723	745	753	853	835	3.3	5.3	-2.1
ALL OTHER U.S.	501	472	443	424	444	511	0.4	9.8	0.0
FOREIGN	208	251	302	329	409	324	9.3	-0.8	0.0
SELF-SUPPORT	1,893	2,132	2,259	2,289	2,315	2,198	3.0	-2.0	-5.1
MATHEMATICAL SCIENCES:									
TOTAL, ALL SOURCES	13,409	13,839	14,289	13,782	13,461	13,959	0.8	0.6	3.7
FEDERAL, TOTAL	1,393	1,285	1,293	1,285	1,308	1,432	0.6	5.6	9.5
DEPT OF DEFENSE	494	430	461	377	400	426	-2.9	6.3	0.0
DEPT OF HEW, TOTAL	135	163	149	140	155	144	1.3	1.4	-7.1
NIM	105	132	131	120	114	101	-0.8	-8.3	-11.4
OTHER HEW	30	31	18	20	41	43	7.5	46.6	4.9
NSF	545	491	472	535	531	575	1.1	3.7	8.3
ALL OTHER FEDERAL	219	201	211	233	622	287	5.6	11.0	-53.9
INSTITUTIONAL SUPPORT	8,031	8,102	8,258	8,028	7,898	7,924	-0.3	-0.6	0.3
OTHER OUTSIDE SUPPORT, TOTAL ...	616	767	802	788	816	997	10.1	12.5	22.2
ALL OTHER U.S.	345	378	373	409	400	583	11.1	19.4	0.0
FOREIGN	271	389	429	379	416	414	8.8	4.5	0.0
SELF-SUPPORT	3,349	3,685	3,936	3,681	3,439	3,606	1.4	-1.0	4.9

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TABLE B-25. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE
AND SOURCE OF MAJOR SUPPORT: 1974-79

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AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
AGRICULTURAL SCIENCES:									
TOTAL, ALL SOURCES	8,493	9,497	10,165	10,429	10,222	10,264	3.9	-0.8	0.4
FEDERAL, TOTAL	1,699	1,783	1,755	1,767	1,823	1,897	2.2	3.6	4.1
DEPT OF DEFENSE	49	15	27	14	***	16	-20.1	6.9	***
DEPT OF HEW, TOTAL	103	105	71	61	69	67	-0.2	4.8	-2.9
NIH	81	69	59	50	38	43	-11.9	-7.3	13.2
OTHER HEW	22	16	12	11	31	24	1.8	47.7	-22.6
NSF	89	125	118	76	92	83	-1.4	4.5	-9.8
ALL OTHER FEDERAL	1,458	1,538	1,539	1,616	1,662	1,731	3.5	3.5	4.2
INSTITUTIONAL SUPPORT	2,951	3,245	3,512	3,577	3,606	3,784	5.1	2.9	4.9
OTHER OUTSIDE SUPPORT, TOTAL ...	1,503	1,721	1,894	1,997	1,942	1,999	5.9	0.1	2.9
ALL OTHER U.S.	812	837	854	949	***	878	1.6	-3.8	***
FOREIGN	691	884	1,040	1,048	***	1,121	10.2	3.4	***
SELF-SUPPORT	2,340	2,748	3,004	3,088	2,851	2,584	2.0	-8.5	-9.4
BIOLOGICAL SCIENCES:									
TOTAL, ALL SOURCES	32,029	34,283	34,834	35,492	35,110	34,873	1.7	-0.9	-0.7
FEDERAL, TOTAL	9,770	10,042	9,808	10,013	10,195	10,793	2.0	3.8	5.9
DEPT OF DEFENSE	170	140	132	138	***	119	-6.9	-7.1	***
DEPT OF HEW, TOTAL	7,143	7,414	6,837	6,959	7,079	7,629	1.3	4.7	7.8
NIH	6,670	6,808	6,325	6,495	6,601	7,055	1.1	4.2	6.9
OTHER HEW	473	606	512	464	478	574	3.9	11.2	20.1
NSF	922	961	1,066	1,153	1,222	1,153	4.6	0.0	-5.6
ALL OTHER FEDERAL	1,535	1,527	1,773	1,763	1,894	1,892	4.3	3.6	-0.1
INSTITUTIONAL SUPPORT	13,162	13,679	14,286	14,876	14,512	14,624	2.1	-0.9	0.8
OTHER OUTSIDE SUPPORT, TOTAL ...	2,126	2,225	2,411	2,407	2,616	2,615	4.2	4.2	0.0
ALL OTHER U.S.	1,570	1,655	1,709	1,623	***	1,671	1.3	1.5	***
FOREIGN	556	570	702	784	***	944	11.2	9.7	***
SELF-SUPPORT	6,971	8,337	8,329	8,196	7,787	6,841	-0.4	-8.6	-12.1
HEALTH SCIENCES:									
TOTAL, ALL SOURCES	14,128	15,456	16,650	18,217	19,515	21,399	8.7	8.4	9.7
FEDERAL, TOTAL	5,287	5,798	6,183	7,148	7,581	7,975	8.6	5.6	5.2
DEPT OF DEFENSE	186	133	129	171	***	164	-2.5	-2.1	***
DEPT OF HEW, TOTAL	4,513	5,115	5,478	6,257	6,600	7,110	9.5	6.6	7.7
NIH	1,153	1,129	1,030	848	933	1,153	0.0	16.6	23.6
OTHER HEW	3,360	3,986	4,448	5,409	5,667	5,957	12.1	4.9	5.1
NSF	44	24	30	35	45	39	-2.4	5.6	-13.3
ALL OTHER FEDERAL	544	526	546	685	936	662	4.0	-1.7	-29.3
INSTITUTIONAL SUPPORT	2,880	2,867	2,975	3,135	3,273	3,934	6.4	12.0	20.2
OTHER OUTSIDE SUPPORT, TOTAL ...	966	844	904	976	1,140	1,301	6.1	15.5	14.1
ALL OTHER U.S.	685	580	610	622	***	810	3.4	14.1	***
FOREIGN	281	264	294	354	***	491	11.8	17.8	***
SELF-SUPPORT	4,995	5,947	6,588	6,958	7,521	8,189	10.4	8.5	8.9
PSYCHOLOGY:									
TOTAL, ALL SOURCES	18,906	19,775	21,546	21,413	20,620	20,705	1.8	-1.7	0.4
FEDERAL, TOTAL	4,404	4,317	4,071	3,961	3,943	3,448	-4.8	-6.7	-12.6
DEPT OF DEFENSE	193	134	140	157	***	150	-4.9	-2.3	***
DEPT OF HEW, TOTAL	3,249	3,120	2,974	2,853	2,922	2,492	-5.2	-6.5	-14.7
NIH	1,458	1,422	1,266	1,176	1,081	1,117	-5.2	-2.5	3.3
OTHER HEW	1,791	1,698	1,708	1,677	1,841	1,375	-5.1	-9.0	-25.3
NSF	274	270	212	226	222	254	-1.5	6.0	14.4
ALL OTHER FEDERAL	688	793	745	725	799	552	-4.3	-12.7	-30.9
INSTITUTIONAL SUPPORT	6,875	6,964	7,339	7,550	7,407	7,439	1.6	-0.7	0.4
OTHER OUTSIDE SUPPORT, TOTAL ...	1,114	1,183	1,270	1,289	1,592	1,351	3.9	2.4	-15.1
ALL OTHER U.S.	1,063	1,101	1,186	1,188	***	1,238	3.1	2.1	***
FOREIGN	51	82	84	101	***	113	17.2	5.8	***
SELF-SUPPORT	6,513	7,311	8,866	8,613	7,678	8,467	5.4	-0.9	10.3
SOCIAL SCIENCES:									
TOTAL, ALL SOURCES	45,607	50,719	49,723	50,805	49,543	51,734	2.6	0.9	4.4
FEDERAL, TOTAL	6,422	5,846	5,691	5,984	5,702	5,566	-2.8	-3.6	-2.4
DEPT OF DEFENSE	389	309	272	309	***	289	-5.8	-3.3	***
DEPT OF HEW, TOTAL	2,780	2,566	2,330	2,320	2,233	2,354	-3.3	0.7	5.4
NIH	723	682	592	453	340	543	-5.6	9.5	55.6
OTHER HEW	2,057	1,884	1,738	1,867	1,894	1,811	-2.5	-1.5	-3.9
NSF	711	614	567	538	500	532	-5.6	-0.6	4.7
ALL OTHER FEDERAL	2,542	2,357	2,522	2,817	2,961	2,391	-1.2	-7.9	-19.3
INSTITUTIONAL SUPPORT	16,376	16,943	16,962	17,314	17,458	18,966	3.0	4.7	8.6
OTHER OUTSIDE SUPPORT, TOTAL ...	3,664	3,691	3,469	3,555	3,626	3,798	0.7	3.4	6.7
ALL OTHER U.S.	2,694	2,478	2,127	1,968	***	2,014	-5.4	1.2	***
FOREIGN	1,000	1,213	1,342	1,587	***	1,784	12.1	6.0	***
SELF-SUPPORT	19,145	24,239	23,601	23,952	22,757	23,604	4.1	-1.2	2.8

* LESS THAN 0.05 PERCENT CHANGE

*** DATA WERE NOT SEPARATELY COLLECTED ON THE FALL 1978 SURVEY

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-26. FULL-TIME GRADUATE STUDENTS IN PUBLIC DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL AREAS:									
TOTAL, ALL SOURCES	143,456	154,191	156,565	158,448	156,224	160,552	2.3	0.7	2.8
FEDERAL, TOTAL	33,402	33,924	34,329	35,123	35,338	36,955	2.0	2.6	4.6
DEPT OF DEFENSE	3,809	3,577	3,443	3,527	3,527	3,527	-1.5	0.0	0.0
DEPT OF HEW, TOTAL	13,400	14,402	14,126	14,403	14,522	15,382	2.8	3.3	5.9
NIM	7,466	7,769	7,258	6,872	6,699	7,586	0.3	5.1	13.2
OTHER HEW	5,934	6,633	6,868	7,531	7,823	7,796	5.6	1.7	-0.3
NSF	5,482	5,383	5,406	5,604	5,588	5,807	1.2	1.8	3.9
ALL OTHER FEDERAL	10,711	10,562	11,304	11,589	15,228	12,239	2.7	2.8	-19.6
INSTITUTIONAL SUPPORT	58,104	59,470	61,071	62,002	60,962	63,050	1.6	0.8	3.4
OTHER OUTSIDE SUPPORT, TOTAL	11,195	11,452	11,921	12,158	13,061	13,848	4.3	6.7	6.0
ALL OTHER U.S.	8,277	8,671	7,890	7,754	8,743	8,743	1.1	6.2	0.0
FOREIGN	2,918	3,381	4,031	4,404	0.0	5,105	11.8	7.7	0.0
SELF-SUPPORT	40,755	49,345	49,244	49,165	46,863	46,699	2.8	-2.5	-0.3
ENGINEERING:									
TOTAL, ALL SOURCES	23,441	25,648	25,226	25,385	25,297	26,752	2.7	2.7	5.8
FEDERAL, TOTAL	7,071	6,996	6,963	7,089	7,054	7,299	0.6	1.5	3.5
DEPT OF DEFENSE	2,023	2,091	1,910	1,955	0.0	2,051	0.3	2.4	0.0
DEPT OF HEW, TOTAL	518	612	613	609	667	641	4.4	2.6	-3.9
NIM	335	359	305	252	267	224	-7.7	-5.7	-16.1
OTHER HEW	183	253	308	357	400	417	17.9	8.1	4.2
NSF	1,524	1,529	1,488	1,508	1,375	1,419	-1.4	-3.0	3.2
ALL OTHER FEDERAL	3,006	2,764	2,952	3,017	5,012	3,188	1.2	2.8	-36.4
INSTITUTIONAL SUPPORT	7,159	7,501	7,665	7,745	7,581	8,239	2.9	3.1	8.7
OTHER OUTSIDE SUPPORT, TOTAL	2,756	2,632	2,805	2,864	3,126	3,394	4.3	8.9	8.6
ALL OTHER U.S.	2,090	1,966	1,953	1,879	0.0	2,226	1.3	8.8	0.0
FOREIGN	666	666	852	985	0.0	1,168	11.9	8.9	0.0
SELF-SUPPORT	6,455	8,519	7,853	7,687	7,536	7,820	3.9	0.9	3.8
PHYSICAL SCIENCES:									
TOTAL, ALL SOURCES	14,956	15,080	15,322	15,396	15,211	15,401	0.6	0.0	1.2
FEDERAL, TOTAL	3,898	4,014	4,162	4,261	4,454	4,763	4.1	5.7	6.9
DEPT OF DEFENSE	425	380	362	449	0.0	423	-0.1	-2.9	0.0
DEPT OF HEW, TOTAL	705	833	907	880	877	1,029	7.9	8.1	17.3
NIM	633	782	825	779	769	902	7.3	7.6	17.3
OTHER HEW	72	51	82	101	108	127	12.0	12.1	17.6
NSF	1,617	1,575	1,670	1,667	1,720	1,840	2.6	5.1	7.0
ALL OTHER FEDERAL	1,151	1,226	1,223	1,265	1,857	1,471	5.0	7.8	-20.8
INSTITUTIONAL SUPPORT	8,913	8,856	8,938	9,066	8,755	8,524	-0.9	-3.0	-2.6
OTHER OUTSIDE SUPPORT, TOTAL	879	769	857	876	864	994	2.5	6.5	15.0
ALL OTHER U.S.	736	600	616	643	0.0	742	0.2	7.4	0.0
FOREIGN	143	169	241	233	0.0	252	12.0	4.0	0.0
SELF-SUPPORT	1,266	1,441	1,365	1,193	1,138	1,120	-2.4	-3.1	-1.6
ENVIRONMENTAL SCIENCES:									
TOTAL, ALL SOURCES	6,322	6,779	7,249	7,615	7,644	7,929	4.6	2.0	3.7
FEDERAL, TOTAL	1,873	1,925	2,098	2,307	2,308	2,662	7.3	7.4	15.3
DEPT OF DEFENSE	359	302	291	278	0.0	286	-4.4	1.4	0.0
DEPT OF HEW, TOTAL	34	72	107	190	202	217	44.9	6.9	7.4
NIM	12	21	25	45	29	42	28.5	-3.4	44.8
OTHER HEW	22	51	82	145	173	175	51.4	9.9	1.2
NSF	766	819	831	850	859	913	3.6	3.6	6.3
ALL OTHER FEDERAL	714	732	869	989	1,247	1,246	11.8	12.2	-0.1
INSTITUTIONAL SUPPORT	2,452	2,619	2,812	2,879	2,809	2,816	2.7	-1.1	0.2
OTHER OUTSIDE SUPPORT, TOTAL	517	507	536	533	647	625	3.9	8.3	-3.4
ALL OTHER U.S.	367	331	317	288	0.0	393	1.4	16.8	0.0
FOREIGN	150	176	219	245	0.0	232	9.1	-2.7	0.0
SELF-SUPPORT	1,470	1,728	1,803	1,896	1,880	1,826	4.4	-1.9	-2.9
MATHEMATICAL SCIENCES:									
TOTAL, ALL SOURCES	10,254	10,688	11,000	10,544	10,350	10,606	0.7	0.3	2.5
FEDERAL, TOTAL	825	759	729	736	764	837	0.3	6.6	9.6
DEPT OF DEFENSE	312	300	302	224	0.0	216	-7.1	-1.8	0.0
DEPT OF HEW, TOTAL	99	119	123	115	124	109	1.9	-2.6	-12.1
NIM	80	101	107	99	93	79	-0.3	-10.7	-15.1
OTHER HEW	19	18	16	16	31	30	9.6	36.9	-3.2
NSF	260	215	177	247	240	303	3.1	10.8	26.2
ALL OTHER FEDERAL	154	125	127	150	400	209	6.3	18.0	-47.8
INSTITUTIONAL SUPPORT	6,337	6,422	6,594	6,384	6,234	6,326	0.0	-0.5	1.5
OTHER OUTSIDE SUPPORT, TOTAL	341	398	428	393	432	652	13.8	28.8	50.9
ALL OTHER U.S.	206	201	203	219	0.0	396	14.0	34.5	0.0
FOREIGN	135	197	225	174	0.0	256	13.7	21.3	0.0
SELF-SUPPORT	2,751	3,109	3,249	3,031	2,920	2,791	0.3	-4.0	-4.4

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TABLE B-26. FULL-TIME GRADUATE STUDENTS IN PUBLIC DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

- CONTINUED									
AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
AGRICULTURAL SCIENCES:									
TOTAL, ALL SOURCES	8,236	9,217	9,882	10,142	9,926	9,927	3.8	-1.1	0.0
FEDERAL, TOTAL	1,652	1,736	1,702	1,713	1,764	1,837	2.1	3.6	4.1
DEPT OF DEFENSE	48	15	27	14	000	16	-19.7	6.9	00
DEPT OF HEW, TOTAL	97	101	71	61	66	67	-7.1	4.8	1.5
NIM	75	85	59	50	37	43	-10.5	-7.3	16.2
OTHER HEW	22	16	12	11	29	24	1.8	47.7	-17.2
NSF	82	121	109	71	83	73	-2.3	1.4	-12.0
ALL OTHER FEDERAL	1,425	1,499	1,495	1,567	1,615	1,681	3.4	3.6	4.1
INSTITUTIONAL SUPPORT	2,838	3,133	3,403	3,455	3,482	3,667	5.2	3.0	5.2
OTHER OUTSIDE SUPPORT, TOTAL ...	1,442	1,643	1,822	1,940	1,883	1,987	5.7	-0.9	1.3
ALL OTHER U.S.	782	794	829	927	000	1,008	1.1	-5.5	00
FOREIGN	660	849	993	1,013	000	979	10.3	3.2	00
SELF-SUPPORT	2,304	2,705	2,955	3,034	2,797	2,521	1.8	-8.8	-9.9
BIOLOGICAL SCIENCES:									
TOTAL, ALL SOURCES	24,204	26,036	26,400	26,923	26,529	26,182	1.6	-1.4	-1.3
FEDERAL, TOTAL	6,568	6,675	6,590	6,774	6,878	7,268	2.0	3.6	5.7
DEPT OF DEFENSE	122	96	94	98	000	95	-4.9	-1.5	00
DEPT OF HEW, TOTAL	4,343	4,509	4,157	4,276	4,322	4,673	1.5	4.5	8.1
NIM	4,048	4,092	3,837	3,926	3,969	4,259	1.0	4.2	7.3
OTHER HEW	295	417	320	350	353	414	7.0	8.8	17.3
NSF	682	677	764	840	879	840	4.3	0.0	-4.4
ALL OTHER FEDERAL	1,421	1,393	1,575	1,560	1,677	1,660	3.2	3.2	-1.0
INSTITUTIONAL SUPPORT	10,506	10,970	11,353	11,785	11,528	11,514	1.8	-1.2	-0.1
OTHER OUTSIDE SUPPORT, TOTAL ...	1,684	1,777	1,892	1,873	2,018	2,079	4.3	5.4	3.0
ALL OTHER U.S.	1,269	1,324	1,324	1,242	000	1,321	0.8	3.1	00
FOREIGN	415	453	568	631	000	758	12.8	9.6	00
SELF-SUPPORT	5,446	6,614	6,565	6,491	6,105	5,321	-0.5	-9.5	-12.8
HEALTH SCIENCES:									
TOTAL, ALL SOURCES	11,032	12,146	13,005	13,865	14,551	15,823	7.5	6.8	8.7
FEDERAL, TOTAL	4,110	4,733	4,979	5,364	5,523	5,825	7.2	4.2	5.5
DEPT OF DEFENSE	111	103	114	143	000	123	2.1	-7.3	00
DEPT OF HEW, TOTAL	3,499	4,153	4,348	4,599	4,789	5,150	8.0	5.8	7.5
NIM	805	866	800	599	726	935	3.0	24.9	28.8
OTHER HEW	2,694	3,287	3,548	4,000	4,063	4,215	9.4	2.7	3.7
NSF	31	10	18	26	31	25	-4.2	-1.9	-19.4
ALL OTHER FEDERAL	469	467	499	596	703	527	2.4	-6.0	-25.0
INSTITUTIONAL SUPPORT	2,359	2,327	2,551	2,630	2,622	3,249	6.6	11.1	23.9
OTHER OUTSIDE SUPPORT, TOTAL ...	760	677	698	724	826	967	4.9	15.6	17.1
ALL OTHER U.S.	530	466	476	475	000	661	4.5	18.0	00
FOREIGN	230	211	222	249	000	306	5.9	10.9	00
SELF-SUPPORT	3,803	4,409	4,777	5,147	5,580	5,782	8.7	6.0	3.6
PSYCHOLOGY:									
TOTAL, ALL SOURCES	12,965	13,365	13,901	13,615	12,912	12,820	-0.2	-3.0	-0.7
FEDERAL, TOTAL	3,143	2,991	2,823	2,732	2,553	2,517	-4.3	-4.0	-1.4
DEPT OF DEFENSE	157	95	110	112	000	114	-6.2	0.9	00
DEPT OF HEW, TOTAL	2,291	2,165	2,079	1,988	1,858	1,856	-4.1	-3.4	-0.1
NIM	1,041	1,015	889	861	615	797	-5.2	-2.7	29.6
OTHER HEW	1,250	1,150	1,190	1,147	1,243	1,059	-3.3	-3.9	-14.8
NSF	181	155	113	128	137	161	-2.3	12.2	17.5
ALL OTHER FEDERAL	514	576	521	504	558	386	-5.6	-12.5	-30.8
INSTITUTIONAL SUPPORT	5,304	5,293	5,513	5,495	5,411	5,322	0.1	-1.6	-1.6
OTHER OUTSIDE SUPPORT, TOTAL ...	771	876	969	978	1,163	1,050	6.4	3.6	-9.7
ALL OTHER U.S.	738	821	912	905	000	983	5.9	4.2	00
FOREIGN	33	55	57	73	000	67	15.2	-4.2	00
SELF-SUPPORT	3,747	4,205	4,596	4,410	3,785	3,931	1.0	-5.6	3.9
SOCIAL SCIENCES:									
TOTAL, ALL SOURCES	32,046	35,232	34,580	34,963	33,804	35,112	1.8	0.2	3.9
FEDERAL, TOTAL	4,262	4,095	4,283	4,147	4,040	3,947	-1.5	-2.4	-2.3
DEPT OF DEFENSE	252	195	233	254	000	203	-4.2	-10.6	00
DEPT OF HEW, TOTAL	1,814	1,838	1,721	1,685	1,617	1,640	-2.0	-1.3	1.4
NIM	437	448	411	281	194	305	-6.9	4.2	57.2
OTHER HEW	1,377	1,390	1,310	1,404	1,423	1,335	-0.6	-2.5	-6.2
NSF	339	282	286	267	264	233	-7.2	-6.6	-11.7
ALL OTHER FEDERAL	1,857	1,780	2,043	1,941	2,159	1,871	0.2	-1.8	-13.3
INSTITUTIONAL SUPPORT	12,226	12,349	12,302	12,563	12,540	13,398	1.8	3.3	6.8
OTHER OUTSIDE SUPPORT, TOTAL ...	2,045	2,173	1,914	1,977	2,102	2,180	1.3	5.0	31.7
ALL OTHER U.S.	1,559	1,568	1,260	1,176	000	1,193	-5.2	0.7	00
FOREIGN	486	605	654	801	000	987	15.2	11.0	00
SELF-SUPPORT	13,313	16,615	16,081	16,276	15,122	15,587	2.9	-2.1	3.1

TABLE B-27. FULL-TIME GRADUATE STUDENTS IN PRIVATE DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL AREAS:									
TOTAL, ALL SOURCES	52,450	56,631	58,164	59,997	60,625	63,505	3.9	2.9	4.8
FEDERAL, TOTAL	14,605	14,365	14,285	15,378	15,964	16,023	1.9	2.1	0.4
DEPT OF DEFENSE	1,738	1,567	1,355	1,466	1,471	1,471	-3.3	0.2	0.0
DEPT OF HEW, TOTAL	6,622	6,467	6,240	6,715	7,241	7,332	2.1	4.5	1.3
NIH	4,453	4,445	4,107	4,059	4,274	4,373	-0.4	3.8	2.3
OTHER HEW	2,169	2,022	2,133	2,656	2,967	2,959	6.4	5.6	-0.3
NSF	3,336	3,415	3,508	3,420	3,425	3,465	0.8	0.7	1.2
ALL OTHER FEDERAL	2,909	2,976	3,182	3,777	5,298	3,755	5.2	-6.3	-29.1
INSTITUTIONAL SUPPORT	17,292	17,816	18,437	18,858	18,940	19,998	3.0	3.0	5.6
OTHER OUTSIDE SUPPORT, TOTAL ...	5,185	5,405	5,767	6,100	6,204	6,280	3.9	1.5	1.2
ALL OTHER U.S.	3,574	3,374	3,491	3,597	3,826	3,826	1.4	3.1	0.0
FOREIGN	1,611	2,031	2,276	2,503	2,454	2,454	8.8	-1.0	0.0
SELF-SUPPORT	15,368	19,045	19,675	19,661	19,517	21,204	6.6	3.8	8.6
ENGINEERING:									
TOTAL, ALL SOURCES	10,276	11,490	11,211	11,396	11,729	12,530	4.0	4.9	6.8
FEDERAL, TOTAL	3,107	3,261	3,528	3,584	3,587	3,707	3.6	1.7	3.3
DEPT OF DEFENSE	830	772	731	847	900	719	-2.8	-7.9	0.0
DEPT OF HEW, TOTAL	354	398	429	370	397	455	5.1	10.9	14.6
NIH	312	336	373	298	281	280	-2.1	-3.1	-0.4
OTHER HEW	42	62	56	72	116	175	33.0	55.9	50.9
NSF	964	1,048	1,066	1,007	967	992	0.6	-0.7	2.6
ALL OTHER FEDERAL	959	1,043	1,302	1,360	2,223	1,541	10.0	6.4	-30.7
INSTITUTIONAL SUPPORT	2,904	2,751	2,871	2,804	2,905	3,123	1.5	5.5	7.5
OTHER OUTSIDE SUPPORT, TOTAL ...	1,614	1,880	2,060	2,273	2,205	2,377	8.1	2.3	7.8
ALL OTHER U.S.	1,068	1,063	1,174	1,330	1,572	1,572	8.0	8.7	0.0
FOREIGN	546	817	886	943	605	805	8.1	-7.6	0.0
SELF-SUPPORT	2,651	3,598	2,752	2,735	3,032	3,323	4.6	10.2	9.6
PHYSICAL SCIENCES:									
TOTAL, ALL SOURCES	6,460	6,363	6,465	6,537	6,446	6,521	0.2	-0.1	1.2
FEDERAL, TOTAL	2,335	2,286	2,293	2,370	2,558	2,684	2.8	6.4	4.9
DEPT OF DEFENSE	250	224	199	184	184	249	-0.1	16.3	0.0
DEPT OF HEW, TOTAL	457	449	455	451	531	539	3.4	9.3	1.5
NIH	413	433	425	411	509	497	3.8	10.0	-2.4
OTHER HEW	44	16	30	40	22	42	-0.9	2.5	90.9
NSF	1,039	1,009	1,079	1,071	1,083	1,109	1.3	1.8	2.4
ALL OTHER FEDERAL	589	604	560	664	944	787	6.0	8.9	-16.6
INSTITUTIONAL SUPPORT	3,167	3,222	3,335	3,253	3,077	3,019	-1.0	-3.7	-1.9
OTHER OUTSIDE SUPPORT, TOTAL ...	433	422	471	480	485	467	1.5	-1.4	-3.7
ALL OTHER U.S.	325	315	336	316	324	324	-0.1	1.3	0.0
FOREIGN	108	107	135	164	143	143	5.8	-6.6	0.0
SELF-SUPPORT	525	433	366	434	326	351	-7.7	-10.1	7.7
ENVIRONMENTAL SCIENCES:									
TOTAL, ALL SOURCES	1,879	1,893	2,049	1,978	2,051	1,990	1.2	0.3	-3.3
FEDERAL, TOTAL	748	736	769	732	789	752	0.1	1.4	-4.7
DEPT OF DEFENSE	179	154	144	114	106	106	-9.9	-3.6	0.0
DEPT OF HEW, TOTAL	31	22	16	28	31	37	3.6	15.0	19.4
NIH	24	21	9	4	2	2	-39.2	-29.3	0.0
OTHER HEW	7	1	7	24	29	35	38.0	20.8	20.7
NSF	323	335	365	358	389	363	2.4	0.7	-6.7
ALL OTHER FEDERAL	215	227	244	232	369	246	2.7	3.0	-33.3
INSTITUTIONAL SUPPORT	516	537	615	633	621	656	4.9	1.8	5.6
OTHER OUTSIDE SUPPORT, TOTAL ...	192	216	209	220	206	210	1.8	-2.3	1.9
ALL OTHER U.S.	134	141	126	136	118	118	-2.5	-6.9	0.0
FOREIGN	58	75	83	84	92	92	9.7	4.7	0.0
SELF-SUPPORT	423	404	456	393	435	372	-2.5	-2.7	-14.5
MATHEMATICAL SCIENCES:									
TOTAL, ALL SOURCES	3,155	3,151	3,289	3,238	3,111	3,353	1.2	1.8	7.8
FEDERAL, TOTAL	568	526	564	549	544	595	0.9	4.1	9.4
DEPT OF DEFENSE	182	130	159	153	100	210	2.9	17.2	0.0
DEPT OF HEW, TOTAL	36	44	26	25	31	35	-0.6	18.3	12.9
NIH	25	31	24	21	21	22	-2.5	2.4	4.8
OTHER HEW	11	13	2	4	10	13	3.4	80.3	30.0
NSF	285	276	295	288	291	272	-0.9	-2.8	-6.5
ALL OTHER FEDERAL	65	76	84	83	222	78	3.7	-3.1	-64.9
INSTITUTIONAL SUPPORT	1,694	1,680	1,664	1,644	1,664	1,598	-1.2	-1.4	-4.0
OTHER OUTSIDE SUPPORT, TOTAL ...	275	369	374	395	384	345	4.6	-6.5	-10.2
ALL OTHER U.S.	139	177	170	190	187	187	6.1	-0.8	0.0
FOREIGN	136	192	204	205	197	158	3.0	-12.2	0.0
SELF-SUPPORT	618	576	687	650	519	815	5.7	12.0	57.0

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TABLE B-27. FULL-TIME GRADUATE STUDENTS IN PRIVATE DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

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AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
AGRICULTURAL SCIENCES:									
TOTAL, ALL SOURCES	257	280	283	287	296	337	5.6	8.4	13.9
FEDERAL, TOTAL	47	47	53	54	59	60	5.0	5.4	1.7
DEPT OF DEFENSE	1	0	0	0	***	0	-100.0	**	**
DEPT OF HEW, TOTAL	6	4	0	0	3	0	-100.0	**	-100.0
NIH	6	4	0	0	1	0	-100.0	**	-100.0
OTHER HEW	0	0	0	0	2	0	**	**	-100.0
NSF	7	4	9	5	9	10	7.4	41.4	11.1
ALL OTHER FEDERAL	33	39	44	49	47	50	8.7	1.0	6.4
INSTITUTIONAL SUPPORT	113	112	109	127	124	122	1.5	0.0	-1.6
OTHER OUTSIDE SUPPORT, TOTAL ...	61	78	72	57	59	92	8.6	27.0	55.9
ALL OTHER U.S.	30	43	25	22	***	50	10.8	50.8	**
FOREIGN	31	35	47	35	***	42	6.3	9.5	**
SELF-SUPPORT	36	43	49	54	54	63	11.8	8.0	16.7
BIOLOGICAL SCIENCES:									
TOTAL, ALL SOURCES	7,825	8,247	8,434	8,569	8,581	8,691	2.1	0.7	1.3
FEDERAL, TOTAL	3,202	3,367	3,218	3,239	3,317	3,525	1.9	4.3	6.3
DEPT OF DEFENSE	48	44	38	40	***	24	-12.9	-22.5	**
DEPT OF HEW, TOTAL	2,800	2,905	2,680	2,683	2,757	2,956	1.1	5.0	7.2
NIH	2,622	2,716	2,488	2,569	2,632	2,796	1.3	4.3	6.2
OTHER HEW	178	189	192	114	125	160	-2.1	18.5	28.0
NSF	240	284	302	313	343	313	5.5	0.0	-8.7
ALL OTHER FEDERAL	114	134	198	203	217	232	15.3	6.9	6.9
INSTITUTIONAL SUPPORT	2,656	2,709	2,933	3,091	2,984	3,110	3.2	0.3	4.2
OTHER OUTSIDE SUPPORT, TOTAL ...	442	448	519	534	598	536	3.9	0.2	-10.4
ALL OTHER U.S.	301	331	385	381	***	350	3.1	-4.2	**
FOREIGN	141	117	134	153	***	186	5.7	10.3	**
SELF-SUPPORT	1,525	1,723	1,764	1,705	1,682	1,520	-0.1	-5.6	-9.6
HEALTH SCIENCES:									
TOTAL, ALL SOURCES	3,096	3,310	3,645	4,352	4,964	5,576	12.5	13.2	12.3
FEDERAL, TOTAL	1,177	1,065	1,204	1,784	2,058	2,150	12.8	9.8	4.5
DEPT OF DEFENSE	75	30	15	28	***	41	-11.4	21.0	**
DEPT OF HEW, TOTAL	1,014	962	1,130	1,658	1,811	1,960	14.1	8.7	8.2
NIH	348	263	230	249	207	218	-8.9	-6.4	5.3
OTHER HEW	666	699	900	1,409	1,604	1,742	21.2	11.2	8.6
NSF	13	1	12	9	14	14	1.5	24.7	0.0
ALL OTHER FEDERAL	75	59	47	89	233	135	12.5	23.2	-42.1
INSTITUTIONAL SUPPORT	521	540	424	505	651	685	5.6	16.5	5.2
OTHER OUTSIDE SUPPORT, TOTAL ...	206	167	206	252	314	334	10.1	15.1	6.4
ALL OTHER U.S.	155	114	134	147	***	149	-0.8	0.7	**
FOREIGN	51	53	72	105	***	185	29.4	32.7	**
SELF-SUPPORT	1,192	1,538	1,811	1,811	1,941	2,407	15.1	15.3	24.0
PSYCHOLOGY:									
TOTAL, ALL SOURCES	5,941	6,410	7,645	7,798	7,708	7,885	5.8	0.6	2.3
FEDERAL, TOTAL	1,261	1,326	1,248	1,229	1,390	931	-5.9	-13.0	-33.0
DEPT OF DEFENSE	36	39	30	45	***	36	0.0	-10.6	**
DEPT OF HEW, TOTAL	958	955	895	865	1,064	636	-7.9	-14.3	-40.2
NIH	417	407	377	335	466	320	-5.2	-2.3	-31.3
OTHER HEW	541	548	518	530	598	316	-10.2	-22.8	-47.2
NSF	93	115	99	98	85	93	0.0	-2.6	9.4
ALL OTHER FEDERAL	174	217	224	221	241	166	-0.9	-13.3	-31.1
INSTITUTIONAL SUPPORT	1,571	1,671	1,826	2,055	1,996	2,117	6.1	1.5	6.1
OTHER OUTSIDE SUPPORT, TOTAL ...	343	307	301	311	429	301	-2.6	-1.6	-29.8
ALL OTHER U.S.	325	280	274	283	***	295	-4.7	-5.1	**
FOREIGN	18	27	27	28	***	46	20.6	28.2	**
SELF-SUPPORT	2,766	3,106	4,270	4,203	3,893	4,536	10.4	3.9	16.5
SOCIAL SCIENCES:									
TOTAL, ALL SOURCES	13,561	15,487	15,143	15,842	15,739	16,622	4.2	2.4	5.6
FEDERAL, TOTAL	2,160	1,751	1,408	1,837	1,662	1,619	-5.6	-6.1	-2.6
DEPT OF DEFENSE	137	114	39	55	***	86	-8.9	25.0	**
DEPT OF HEW, TOTAL	966	728	609	635	616	714	-5.9	6.0	15.9
NIH	286	234	181	172	195	238	-3.6	17.6	53.5
OTHER HEW	680	494	428	463	461	476	-6.9	1.4	3.3
NSF	372	332	281	271	244	299	-4.3	5.0	22.5
ALL OTHER FEDERAL	685	577	479	876	802	520	-5.4	-23.0	-35.2
INSTITUTIONAL SUPPORT	4,150	4,594	4,660	4,751	4,918	5,568	6.1	8.3	13.2
OTHER OUTSIDE SUPPORT, TOTAL ...	1,619	1,518	1,595	1,578	1,524	1,618	0.0	1.3	6.2
ALL OTHER U.S.	1,097	910	867	792	***	821	-5.6	1.8	**
FOREIGN	522	608	688	786	***	797	8.8	0.7	**
SELF-SUPPORT	5,632	7,624	7,520	7,676	7,635	7,817	6.8	0.9	2.4

* LESS THAN 0.05 PERCENT CHANGE
 *** DATA WERE NOT SEPARATELY COLLECTED ON THE FALL 1978 SURVEY
 SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-28. MALE FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL AREAS:							
TOTAL, ALL SOURCES	149,576	158,557	156,853	155,233	152,772	0.4	-0.8
FEDERAL, TOTAL	36,981	36,269	35,711	35,993	36,523	-0.3	0.7
DEPT OF DEFENSE	5,242	4,837	4,514	4,651	4,586	-2.7	-0.8
DEPT OF HEW, TOTAL	12,281	12,252	11,263	10,919	11,386	-1.5	2.1
NIH	8,510	8,581	7,887	7,500	7,636	-2.2	0.9
OTHER HEW	3,771	3,671	3,376	3,419	3,750	-0.1	4.9
NSF	7,796	7,681	7,858	7,786	7,771	-0.1	-0.1
ALL OTHER FEDERAL	11,662	11,499	12,076	12,637	12,780	1.9	0.6
INSTITUTIONAL SUPPORT	58,472	58,972	59,547	59,251	58,402	0.0	-0.7
OTHER OUTSIDE SUPPORT, TOTAL ...	13,830	13,972	14,705	14,802	15,768	2.6	3.2
ALL OTHER U.S.	9,760	9,102	9,019	8,708	9,230	-1.1	3.0
FOREIGN	4,070	4,870	5,686	6,094	6,538	9.9	3.5
SELF-SUPPORT	40,293	49,344	46,890	45,187	42,079	0.9	-3.5
ENGINEERING:							
TOTAL, ALL SOURCES	32,350	35,257	34,404	34,454	35,947	2.1	2.1
FEDERAL, TOTAL	9,861	9,892	10,025	10,115	10,203	0.7	0.4
DEPT OF DEFENSE	2,803	2,809	2,573	2,716	2,677	-0.9	-0.7
DEPT OF HEW, TOTAL	830	936	960	896	928	2.1	1.7
NIH	619	648	623	508	437	-6.8	-7.3
OTHER HEW	211	288	337	388	491	18.5	13.6
NSF	2,417	2,487	2,456	2,390	2,250	-1.4	-3.0
ALL OTHER FEDERAL	3,811	3,660	4,036	4,113	4,348	2.6	2.8
INSTITUTIONAL SUPPORT	9,585	9,664	9,876	9,810	10,296	1.4	2.4
OTHER OUTSIDE SUPPORT, TOTAL ...	4,212	4,304	4,610	4,850	5,333	4.8	4.8
ALL OTHER U.S.	3,030	2,875	2,940	2,994	3,448	2.6	7.3
FOREIGN	1,182	1,429	1,670	1,856	1,885	9.8	0.8
SELF-SUPPORT	8,692	11,397	9,893	9,679	10,115	3.1	2.2
PHYSICAL SCIENCES:							
TOTAL, ALL SOURCES	18,837	18,742	18,853	18,873	18,600	-0.2	-0.7
FEDERAL, TOTAL	5,679	5,699	5,792	5,882	6,512	2.8	5.2
DEPT OF DEFENSE	640	571	526	581	604	-1.3	1.7
DEPT OF HEW, TOTAL	991	1,086	1,130	1,090	1,251	4.8	7.1
NIH	895	1,033	1,030	965	1,127	4.7	8.0
OTHER HEW	96	53	100	125	124	5.9	0.0
NSF	2,443	2,343	2,517	2,459	2,630	1.5	3.6
ALL OTHER FEDERAL	1,605	1,699	1,619	1,752	2,027	4.8	7.4
INSTITUTIONAL SUPPORT	10,457	10,335	10,402	10,412	9,606	-1.7	-4.0
OTHER OUTSIDE SUPPORT, TOTAL ...	1,140	1,047	1,154	1,189	1,250	1.9	2.9
ALL OTHER U.S.	913	795	813	838	904	-0.2	4.1
FOREIGN	227	252	341	351	346	9.1	-1.4
SELF-SUPPORT	1,561	1,661	1,505	1,390	1,232	-4.6	-5.9
ENVIRONMENTAL SCIENCES:							
TOTAL, ALL SOURCES	7,231	7,515	7,802	7,981	7,894	1.7	-0.8
FEDERAL, TOTAL	2,374	2,383	2,521	2,582	2,763	3.1	3.4
DEPT OF DEFENSE	504	438	409	360	350	-6.9	-1.4
DEPT OF HEW, TOTAL	60	82	108	177	176	23.2	0.0
NIH	32	36	30	39	31	6.0	0.0
OTHER HEW	28	46	78	138	145	47.6	3.8
NSF	960	993	1,030	1,022	1,034	1.4	0.5
ALL OTHER FEDERAL	850	870	974	1,023	1,203	7.1	8.5
INSTITUTIONAL SUPPORT	2,522	2,638	2,753	2,804	2,649	0.9	-2.9
OTHER OUTSIDE SUPPORT, TOTAL ...	656	648	654	657	703	1.5	3.8
ALL OTHER U.S.	457	409	371	351	402	-2.3	6.9
FOREIGN	199	239	283	306	301	9.6	0.0
SELF-SUPPORT	1,679	1,846	1,874	1,938	1,739	0.7	-5.3
MATHEMATICAL SCIENCES:							
TOTAL, ALL SOURCES	10,897	11,128	11,406	10,987	11,063	0.3	0.4
FEDERAL, TOTAL	1,243	1,136	1,150	1,150	1,236	-0.2	3.4
DEPT OF DEFENSE	461	405	428	350	382	-3.7	4.2
DEPT OF HEW, TOTAL	111	132	123	119	107	-1.9	-4.7
NIH	85	106	106	100	82	0.0	-10.6
OTHER HEW	26	26	17	19	25	0.0	41.4
NSF	486	430	415	479	502	0.8	3.1
ALL OTHER FEDERAL	185	169	184	202	245	5.9	9.5
INSTITUTIONAL SUPPORT	6,392	6,348	6,441	6,243	6,184	-0.7	-0.5
OTHER OUTSIDE SUPPORT, TOTAL ...	514	640	666	665	797	9.1	9.4
ALL OTHER U.S.	270	289	284	330	452	10.8	16.8
FOREIGN	244	351	382	335	345	7.2	1.5
SELF-SUPPORT	2,748	3,004	3,149	2,929	2,846	0.7	-1.4

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TABLE B-28. MALE FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

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AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
AGRICULTURAL SCIENCES:							
TOTAL, ALL SOURCES	7,467	8,194	8,529	8,466	7,917	1.2	-3.3
FEDERAL, TOTAL	1,526	1,567	1,507	1,453	1,513	-0.1	2.0
DEPT OF DEFENSE	45	13	25	11	14	-24.2	0.0
DEPT OF HEW, TOTAL	84	89	57	50	47	-12.9	-10.6
NIH	66	75	46	42	35	-12.9	-13.4
OTHER HEW	18	14	11	8	12	-0.0	25.0
NSF	85	110	103	56	55	-9.0	0.0
ALL OTHER FEDERAL	1,312	1,355	1,322	1,336	1,397	1.2	2.2
INSTITUTIONAL SUPPORT	2,583	2,744	2,849	2,815	2,801	1.7	-0.2
OTHER OUTSIDE SUPPORT, TOTAL	1,408	1,548	1,708	1,759	1,749	4.4	-0.3
ALL OTHER U.S.	735	716	727	789	717	-0.6	-4.6
FOREIGN	673	832	981	970	1,032	9.0	3.0
SELF-SUPPORT	1,950	2,335	2,465	2,439	1,854	-1.0	-12.7
BIOLOGICAL SCIENCES:							
TOTAL, ALL SOURCES	22,935	24,404	24,128	23,906	22,432	-0.4	-3.1
FEDERAL, TOTAL	7,075	7,118	6,897	6,872	7,089	-0.0	1.5
DEPT OF DEFENSE	145	123	112	112	88	-10.6	-14.7
DEPT OF HEW, TOTAL	5,008	5,121	4,656	4,687	4,917	-0.4	2.4
NIH	4,701	4,770	4,357	4,449	4,599	-0.5	1.7
OTHER HEW	307	351	299	238	318	-0.7	16.1
NSF	680	692	771	805	794	3.0	-0.6
ALL OTHER FEDERAL	1,242	1,182	1,358	1,268	1,290	-0.8	1.2
INSTITUTIONAL SUPPORT	9,308	9,553	9,766	9,995	9,433	0.3	-2.8
OTHER OUTSIDE SUPPORT, TOTAL	1,640	1,741	1,827	1,765	1,802	1.9	1.1
ALL OTHER U.S.	1,184	1,258	1,250	1,136	1,079	-1.9	-2.7
FOREIGN	456	483	577	629	723	9.9	7.8
SELF-SUPPORT	4,912	5,992	5,638	5,274	4,108	-3.5	-11.8
HEALTH SCIENCES:							
TOTAL, ALL SOURCES	7,111	7,264	6,834	6,913	7,378	0.7	3.3
FEDERAL, TOTAL	2,339	2,237	1,960	1,941	2,240	-0.8	7.5
DEPT OF DEFENSE	132	107	96	128	108	-5.1	-8.7
DEPT OF HEW, TOTAL	1,836	1,834	1,589	1,423	1,778	-0.7	11.6
NIH	846	793	697	553	577	-7.5	1.8
OTHER HEW	990	1,041	892	870	1,201	3.9	17.4
NSF	39	18	22	27	21	-7.8	0.0
ALL OTHER FEDERAL	332	278	253	363	333	-0.0	-4.3
INSTITUTIONAL SUPPORT	1,858	1,767	1,810	1,782	1,935	0.9	4.1
OTHER OUTSIDE SUPPORT, TOTAL	695	570	616	588	689	-0.3	8.3
ALL OTHER U.S.	499	389	404	362	361	-6.0	0.0
FOREIGN	196	181	212	226	328	11.0	20.6
SELF-SUPPORT	2,219	2,690	2,448	2,602	2,514	2.6	-1.7
PSYCHOLOGY:							
TOTAL, ALL SOURCES	11,531	11,488	12,361	11,823	10,579	-1.7	-5.4
FEDERAL, TOTAL	2,648	2,454	2,285	2,201	1,803	-7.4	-9.5
DEPT OF DEFENSE	156	110	106	122	106	-7.8	-8.7
DEPT OF HEW, TOTAL	1,883	1,687	1,569	1,481	1,221	-8.3	-9.2
NIH	861	760	697	612	531	-9.2	-6.8
OTHER HEW	1,022	927	872	869	690	-7.5	-10.4
NSF	170	174	141	149	141	-3.8	0.0
ALL OTHER FEDERAL	439	483	469	449	335	-5.2	-13.4
INSTITUTIONAL SUPPORT	4,151	4,183	4,224	4,259	3,879	-1.4	-4.6
OTHER OUTSIDE SUPPORT, TOTAL	750	715	744	716	724	-0.8	0.7
ALL OTHER U.S.	718	664	696	655	656	-1.8	0.0
FOREIGN	32	51	48	61	68	14.9	0.0
SELF-SUPPORT	3,982	4,136	5,108	4,647	4,173	0.9	-5.2
SOCIAL SCIENCES:							
TOTAL, ALL SOURCES	31,217	34,565	32,536	31,830	31,002	-0.1	-1.3
FEDERAL, TOTAL	4,236	3,783	3,574	3,797	3,164	-5.7	-8.7
DEPT OF DEFENSE	356	261	239	271	257	-6.5	-3.8
DEPT OF HEW, TOTAL	1,478	1,285	1,071	996	961	-8.2	-1.5
NIH	405	360	301	232	217	-12.1	-4.4
OTHER HEW	1,073	925	770	764	744	-7.1	-1.3
NSF	516	434	403	399	344	-7.8	-6.6
ALL OTHER FEDERAL	1,886	1,803	1,861	2,131	1,602	-3.2	-13.3
INSTITUTIONAL SUPPORT	11,616	11,740	11,426	11,131	11,619	0.0	2.1
OTHER OUTSIDE SUPPORT, TOTAL	2,815	2,759	2,726	2,613	2,721	-0.6	2.1
ALL OTHER U.S.	1,954	1,707	1,534	1,253	1,211	-9.1	-1.6
FOREIGN	861	1,052	1,192	1,360	1,510	11.9	5.4
SELF-SUPPORT	12,950	16,283	14,810	14,289	13,498	1.5	-2.8

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-29. FEMALE FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL AREAS:							
TOTAL, ALL SOURCES	46,330	52,265	57,876	63,212	71,285	9.0	6.2
FEDERAL, TOTAL	11,026	12,020	12,903	14,508	16,455	8.3	6.5
DEPT OF DEFENSE	305	247	284	342	412	6.4	9.8
DEPT OF HEW, TOTAL	7,741	8,617	9,103	10,199	11,328	7.9	5.4
NIH	3,409	3,633	3,478	3,431	4,323	4.9	12.2
OTHER HEW	4,332	4,984	5,625	6,768	7,005	10.1	1.8
NSF	1,022	1,117	1,106	1,238	1,501	8.0	10.4
ALL OTHER FEDERAL	1,958	2,039	2,410	2,729	3,214	10.5	8.6
INSTITUTIONAL SUPPORT	16,924	18,314	19,961	21,609	24,646	7.8	6.8
OTHER OUTSIDE SUPPORT, TOTAL ...	2,550	2,885	2,983	3,456	4,360	11.3	12.4
ALL OTHER U.S.	2,091	2,343	2,362	2,643	3,339	9.8	12.3
FOREIGN	459	542	621	813	1,021	17.8	12.2
SELF-SUPPORT	15,830	19,046	22,029	23,639	25,824	10.3	4.5
ENGINEERING:							
TOTAL, ALL SOURCES	1,367	1,881	2,033	2,327	3,335	19.6	19.8
FEDERAL, TOTAL	317	365	466	558	803	20.9	20.6
DEPT OF DEFENSE	50	54	68	86	93	12.5	6.1
DEPT OF HEW, TOTAL	42	74	82	83	168	32.0	41.4
NIH	28	47	55	42	67	24.6	22.5
OTHER HEW	14	27	27	41	101	58.5	58.1
NSF	71	90	98	125	161	18.0	15.5
ALL OTHER FEDERAL	154	147	218	264	381	20.4	20.9
INSTITUTIONAL SUPPORT	478	588	600	739	1,066	17.7	20.5
OTHER OUTSIDE SUPPORT, TOTAL ...	158	208	255	287	438	23.4	23.9
ALL OTHER U.S.	128	154	187	215	350	23.9	29.1
FOREIGN	30	54	68	72	88	21.7	6.9
SELF-SUPPORT	414	720	712	743	1,028	20.0	17.4
PHYSICAL SCIENCES:							
TOTAL, ALL SOURCES	2,579	2,701	2,934	3,060	3,322	5.3	4.2
FEDERAL, TOTAL	554	601	663	749	935	11.1	12.1
DEPT OF DEFENSE	35	33	35	52	60	14.7	9.5
DEPT OF HEW, TOTAL	171	196	232	241	317	12.0	13.7
NIH	151	182	220	225	272	12.5	10.8
OTHER HEW	20	14	12	16	45	14.9	100.0
NSF	213	241	232	279	319	8.1	7.2
ALL OTHER FEDERAL	135	131	164	177	231	12.1	16.3
INSTITUTIONAL SUPPORT	1,623	1,743	1,871	1,907	1,937	3.6	0.8
OTHER OUTSIDE SUPPORT, TOTAL ...	172	144	174	167	211	4.3	14.6
ALL OTHER U.S.	148	120	139	121	162	2.7	15.5
FOREIGN	24	24	35	46	49	14.9	0.0
SELF-SUPPORT	230	213	226	237	239	0.0	0.0
ENVIRONMENTAL SCIENCES:							
TOTAL, ALL SOURCES	970	1,157	1,496	1,612	2,065	16.3	13.1
FEDERAL, TOTAL	247	278	346	457	651	22.1	20.2
DEPT OF DEFENSE	34	18	26	32	42	5.9	15.5
DEPT OF HEW, TOTAL	5	12	15	41	78	292.0	32.3
NIH	4	6	4	10	13	45.0	0.0
OTHER HEW	1	6	11	31	65	1280.0	41.4
NSF	129	159	166	186	242	14.9	15.5
ALL OTHER FEDERAL	79	89	139	198	289	32.0	21.4
INSTITUTIONAL SUPPORT	456	518	674	708	823	12.8	8.2
OTHER OUTSIDE SUPPORT, TOTAL ...	53	75	91	96	132	21.1	20.2
ALL OTHER U.S.	44	63	72	73	109	20.1	19.5
FOREIGN	9	12	19	23	23	31.1	0.0
SELF-SUPPORT	214	286	385	351	459	16.5	13.4
MATHEMATICAL SCIENCES:							
TOTAL, ALL SOURCES	2,512	2,711	2,883	2,795	2,896	2.9	1.8
FEDERAL, TOTAL	150	149	143	135	196	4.8	20.9
DEPT OF DEFENSE	33	25	33	27	44	5.9	41.4
DEPT OF HEW, TOTAL	24	31	26	21	37	8.4	22.5
NIH	20	26	25	20	19	-12.9	-29.3
OTHER HEW	4	5	1	1	18	70.0	890.0
NSF	59	61	57	56	73	7.0	18.3
ALL OTHER FEDERAL	34	32	27	31	42	5.9	15.5
INSTITUTIONAL SUPPORT	1,639	1,754	1,817	1,785	1,740	1.3	-1.1
OTHER OUTSIDE SUPPORT, TOTAL ...	102	127	136	123	200	14.9	29.1
ALL OTHER U.S.	75	89	89	79	131	13.2	36.3
FOREIGN	27	38	47	44	69	24.6	22.5
SELF-SUPPORT	621	681	787	752	760	4.2	0.7

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TABLE B-29. FEMALE FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-79

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AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
AGRICULTURAL SCIENCES:							
TOTAL, ALL SOURCES	1,026	1,303	1,636	1,963	2,347	18.1	9.3
FEDERAL, TOTAL	173	216	248	314	384	17.5	10.7
DEPT OF DEFENSE	4	2	2	3	2	-10.0	-16.7
DEPT OF HEW, TOTAL	19	16	14	11	20	14.9	41.4
NIH	15	14	13	8	8	-100.0	.0
OTHER HEW	4	2	1	3	12	40.0	150.0
NSF	4	15	15	20	28	120.0	0.0
ALL OTHER FEDERAL	146	183	217	280	334	18.7	8.6
INSTITUTIONAL SUPPORT	368	501	663	762	983	22.2	13.6
OTHER OUTSIDE SUPPORT, TOTAL	95	173	186	238	250	22.7	4.3
ALL OTHER U.S.	77	121	127	160	161	18.0	0.0
FOREIGN	18	52	59	78	89	51.6	6.9
SELF-SUPPORT	390	413	539	649	730	13.4	6.8
BIOLOGICAL SCIENCES:							
TOTAL, ALL SOURCES	9,094	9,879	10,706	11,586	12,441	6.5	3.6
FEDERAL, TOTAL	2,695	2,924	2,911	3,141	3,704	6.6	8.6
DEPT OF DEFENSE	25	17	20	26	31	8.4	22.5
DEPT OF HEW, TOTAL	2,135	2,293	2,181	2,272	2,712	4.9	9.3
NIH	1,969	2,038	1,968	2,046	2,456	4.6	9.6
OTHER HEW	166	255	213	226	256	9.3	6.6
NSF	242	269	295	348	359	7.8	1.5
ALL OTHER FEDERAL	293	345	415	495	602	15.7	10.7
INSTITUTIONAL SUPPORT	3,854	4,126	4,520	4,881	5,191	6.2	3.1
OTHER OUTSIDE SUPPORT, TOTAL	486	484	584	642	813	11.0	12.5
ALL OTHER U.S.	386	397	459	487	592	5.2	10.9
FOREIGN	100	87	125	155	221	17.1	21.1
SELF-SUPPORT	2,059	2,345	2,691	2,922	2,733	5.9	-3.3
HEALTH SCIENCES:							
TOTAL, ALL SOURCES	7,017	8,192	9,816	11,304	14,021	14.9	11.4
FEDERAL, TOTAL	2,948	3,561	4,223	5,207	5,735	14.3	5.0
DEPT OF DEFENSE	54	26	33	43	56	0.0	11.8
DEPT OF HEW, TOTAL	2,677	3,281	3,889	4,834	5,332	14.8	5.0
NIH	307	336	333	295	576	13.7	40.2
OTHER HEW	2,370	2,945	3,556	4,539	4,756	14.9	2.4
NSF	5	6	8	8	18	52.0	62.5
ALL OTHER FEDERAL	212	248	293	322	329	8.8	0.0
INSTITUTIONAL SUPPORT	1,022	1,100	1,165	1,353	1,999	14.3	21.4
OTHER OUTSIDE SUPPORT, TOTAL	271	274	288	388	612	17.7	26.7
ALL OTHER U.S.	186	191	206	260	449	19.6	30.1
FOREIGN	85	83	82	128	163	14.9	15.5
SELF-SUPPORT	2,776	3,257	4,140	4,356	5,675	15.4	14.2
PSYCHOLOGY:							
TOTAL, ALL SOURCES	7,375	8,287	9,185	9,590	10,126	6.5	2.7
FEDERAL, TOTAL	1,756	1,863	1,786	1,760	1,645	-1.3	-3.5
DEPT OF DEFENSE	37	24	34	35	44	5.9	15.5
DEPT OF HEW, TOTAL	1,366	1,433	1,405	1,372	1,271	-1.4	-3.7
NIH	597	662	569	564	586	-0.3	1.8
OTHER HEW	769	771	836	808	685	-2.2	-7.8
NSF	104	96	71	77	113	1.9	25.4
ALL OTHER FEDERAL	249	310	276	276	217	-2.6	-11.8
INSTITUTIONAL SUPPORT	2,724	2,781	3,115	3,291	3,560	5.5	4.0
OTHER OUTSIDE SUPPORT, TOTAL	364	468	526	573	627	11.5	4.3
ALL OTHER U.S.	345	437	490	533	582	11.3	4.6
FOREIGN	19	31	36	40	45	32.0	0.0
SELF-SUPPORT	2,531	3,175	3,758	3,966	4,294	11.1	4.1
SOCIAL SCIENCES:							
TOTAL, ALL SOURCES	14,390	16,154	17,187	18,975	20,732	7.6	4.5
FEDERAL, TOTAL	2,186	2,063	2,117	2,187	2,402	1.9	4.9
DEPT OF DEFENSE	33	48	33	38	32	0.0	0.0
DEPT OF HEW, TOTAL	1,302	1,281	1,259	1,324	1,393	1.3	2.6
NIH	318	322	291	221	326	0.6	20.6
OTHER HEW	984	959	968	1,103	1,067	1.6	-1.8
NSF	195	180	164	139	188	-1.1	17.7
ALL OTHER FEDERAL	656	554	661	686	789	3.7	7.1
INSTITUTIONAL SUPPORT	4,760	5,203	5,536	6,183	7,347	9.0	9.0
OTHER OUTSIDE SUPPORT, TOTAL	849	932	743	942	1,077	5.0	6.7
ALL OTHER U.S.	702	771	593	715	803	2.7	6.1
FOREIGN	147	161	150	227	274	14.0	10.8
SELF-SUPPORT	6,595	7,956	8,791	9,663	9,906	8.5	1.2

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-30. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE
AND TYPE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND TYPE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL AREAS:							
TOTAL, ALL TYPES	195,906	210,822	214,729	218,445	224,057	2.7	1.3
FELLOWSHIPS AND TRAINEESHIPS	38,499	38,814	37,489	39,208	39,073	0.3	-0.2
RESEARCH ASSISTANTSHIPS	39,611	40,147	42,728	43,914	48,497	4.1	5.1
TEACHING ASSISTANTSHIPS	46,201	47,364	48,327	48,692	49,777	1.5	1.1
OTHER TYPES OF SUPPORT	71,595	84,497	86,185	86,631	86,710	3.9	0.0
ENGINEERING:							
TOTAL, ALL TYPES	33,717	37,138	36,437	36,781	39,282	3.3	3.3
FELLOWSHIPS AND TRAINEESHIPS	4,825	4,675	4,634	4,658	4,353	-2.6	-3.3
RESEARCH ASSISTANTSHIPS	10,995	10,897	11,259	11,792	12,684	2.9	3.7
TEACHING ASSISTANTSHIPS	5,198	5,404	5,632	5,801	6,573	4.8	6.4
OTHER TYPES OF SUPPORT	12,699	16,162	14,912	14,530	15,672	4.3	3.9
PHYSICAL SCIENCES:							
TOTAL, ALL TYPES	21,416	21,443	21,787	21,933	21,922	0.5	0.0
FELLOWSHIPS AND TRAINEESHIPS	2,501	2,274	2,351	2,508	2,296	-1.7	-4.3
RESEARCH ASSISTANTSHIPS	6,436	6,460	6,799	6,781	7,740	3.8	6.8
TEACHING ASSISTANTSHIPS	10,056	10,193	10,198	10,136	9,547	-1.0	-2.9
OTHER TYPES OF SUPPORT	2,423	2,516	2,439	2,508	2,339	-0.7	-3.4
ENVIRONMENTAL SCIENCES:							
TOTAL, ALL TYPES	8,201	8,672	9,298	9,593	9,919	3.9	1.7
FELLOWSHIPS AND TRAINEESHIPS	920	904	998	1,194	1,086	3.4	-4.6
RESEARCH ASSISTANTSHIPS	2,618	2,778	3,141	3,192	3,452	5.7	4.0
TEACHING ASSISTANTSHIPS	1,965	2,095	2,181	2,162	2,441	4.4	6.3
OTHER TYPES OF SUPPORT	2,698	2,895	2,978	3,045	2,940	1.7	-1.7
MATHEMATICAL SCIENCES:							
TOTAL, ALL TYPES	13,409	13,839	14,289	13,782	13,959	0.8	0.6
FELLOWSHIPS AND TRAINEESHIPS	1,260	1,300	1,268	1,269	1,333	1.1	2.5
RESEARCH ASSISTANTSHIPS	1,405	1,369	1,504	1,485	1,626	3.0	4.6
TEACHING ASSISTANTSHIPS	6,358	6,462	6,525	6,301	6,417	0.2	0.9
OTHER TYPES OF SUPPORT	4,386	4,708	4,992	4,727	4,583	0.9	-1.5
AGRICULTURAL SCIENCES:							
TOTAL, ALL TYPES	8,493	9,497	10,165	10,429	10,264	3.9	-0.8
FELLOWSHIPS AND TRAINEESHIPS	901	1,013	852	907	757	-3.4	-8.6
RESEARCH ASSISTANTSHIPS	3,786	4,065	4,305	4,402	4,849	5.1	5.0
TEACHING ASSISTANTSHIPS	735	838	941	988	962	5.5	-1.3
OTHER TYPES OF SUPPORT	3,071	3,581	4,067	4,132	3,696	3.8	-5.4
BIOLOGICAL SCIENCES:							
TOTAL, ALL TYPES	32,029	34,283	34,834	35,492	34,873	1.7	-0.9
FELLOWSHIPS AND TRAINEESHIPS	8,366	8,713	7,972	8,214	8,102	-0.6	-0.7
RESEARCH ASSISTANTSHIPS	6,355	6,573	7,468	7,751	8,915	7.0	7.2
TEACHING ASSISTANTSHIPS	8,497	8,781	9,042	9,077	8,764	0.6	-1.7
OTHER TYPES OF SUPPORT	8,811	10,216	10,352	10,450	9,092	0.6	-6.7
HEALTH SCIENCES:							
TOTAL, ALL TYPES	14,128	15,456	16,650	18,217	21,399	8.7	8.4
FELLOWSHIPS AND TRAINEESHIPS	5,756	6,264	6,371	7,265	8,025	6.9	5.1
RESEARCH ASSISTANTSHIPS	792	785	938	1,016	1,365	11.5	15.9
TEACHING ASSISTANTSHIPS	1,354	1,386	1,443	1,580	1,838	6.3	7.9
OTHER TYPES OF SUPPORT	6,226	7,021	7,898	8,356	10,171	10.3	10.3
PSYCHOLOGY:							
TOTAL, ALL TYPES	18,906	19,775	21,546	21,413	20,705	1.8	-1.7
FELLOWSHIPS AND TRAINEESHIPS	4,533	4,469	4,315	4,172	3,644	-4.3	-6.5
RESEARCH ASSISTANTSHIPS	2,289	2,208	2,244	2,293	2,333	0.4	0.9
TEACHING ASSISTANTSHIPS	3,897	4,044	4,068	4,174	4,180	1.4	0.1
OTHER TYPES OF SUPPORT	8,187	9,054	10,919	10,774	10,548	5.2	-1.1
SOCIAL SCIENCES:							
TOTAL, ALL TYPES	45,607	50,719	49,723	50,805	51,734	2.6	0.9
FELLOWSHIPS AND TRAINEESHIPS	9,437	9,202	8,728	9,021	9,477	0.1	2.5
RESEARCH ASSISTANTSHIPS	4,935	5,012	5,070	5,202	5,533	2.3	3.1
TEACHING ASSISTANTSHIPS	8,141	8,161	8,297	8,473	9,055	2.2	3.4
OTHER TYPES OF SUPPORT	23,094	28,344	27,628	28,109	27,669	3.7	-0.8

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-31. FULL-TIME GRADUATE STUDENTS IN PUBLIC DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND TYPE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL AREAS:							
TOTAL, ALL TYPES	143,456	154,191	156,565	158,448	160,552	2.3	0.7
FELLOWSHIPS AND TRAINEESHIPS	22,345	22,658	21,839	22,275	22,085	0.5	1.4
RESEARCH ASSISTANTSHIPS	30,968	31,283	33,296	34,141	37,537	3.9	4.9
TEACHING ASSISTANTSHIPS	37,544	38,319	39,148	39,483	39,724	1.1	0.3
OTHER TYPES OF SUPPORT	52,599	61,931	62,282	62,549	60,406	2.8	-1.7
ENGINEERING:							
TOTAL, ALL TYPES	23,441	25,648	25,226	25,385	26,752	2.7	2.7
FELLOWSHIPS AND TRAINEESHIPS	2,412	2,380	2,472	2,407	2,292	-1.0	-2.4
RESEARCH ASSISTANTSHIPS	7,960	7,704	7,839	8,135	8,666	1.9	3.2
TEACHING ASSISTANTSHIPS	3,814	3,969	4,204	4,323	4,790	4.7	5.3
OTHER TYPES OF SUPPORT	9,315	11,595	10,711	10,520	11,004	3.4	2.3
PHYSICAL SCIENCES:							
TOTAL, ALL TYPES	14,956	15,080	15,322	15,396	15,401	0.6	0.0
FELLOWSHIPS AND TRAINEESHIPS	1,115	978	1,021	1,108	1,110	-0.1	0.1
RESEARCH ASSISTANTSHIPS	4,322	4,322	4,606	4,473	5,129	3.5	7.1
TEACHING ASSISTANTSHIPS	7,796	7,843	7,813	7,876	7,412	-1.0	-3.0
OTHER TYPES OF SUPPORT	1,723	1,937	1,882	1,939	1,750	0.3	-5.0
ENVIRONMENTAL SCIENCES:							
TOTAL, ALL TYPES	6,322	6,779	7,249	7,615	7,929	4.6	2.0
FELLOWSHIPS AND TRAINEESHIPS	535	505	582	733	670	4.6	-4.4
RESEARCH ASSISTANTSHIPS	2,025	2,145	2,442	2,521	2,778	6.2	4.2
TEACHING ASSISTANTSHIPS	1,670	1,835	1,859	1,843	2,085	4.5	6.4
OTHER TYPES OF SUPPORT	2,092	2,294	2,366	2,518	2,436	3.1	-1.6
MATHEMATICAL SCIENCES:							
TOTAL, ALL TYPES	10,254	10,480	11,000	10,544	10,606	0.7	0.3
FELLOWSHIPS AND TRAINEESHIPS	605	632	594	522	686	2.5	14.6
RESEARCH ASSISTANTSHIPS	935	890	947	936	1,075	2.8	7.2
TEACHING ASSISTANTSHIPS	5,240	5,334	5,373	5,260	5,312	0.4	0.5
OTHER TYPES OF SUPPORT	3,514	3,832	4,086	3,826	3,533	0.1	-3.9
AGRICULTURAL SCIENCES:							
TOTAL, ALL TYPES	8,236	9,217	9,882	10,142	9,927	3.8	-1.1
FELLOWSHIPS AND TRAINEESHIPS	821	913	757	813	658	-4.3	-10.0
RESEARCH ASSISTANTSHIPS	3,673	3,949	4,192	4,294	4,711	5.1	4.7
TEACHING ASSISTANTSHIPS	714	820	915	958	932	5.5	-1.4
OTHER TYPES OF SUPPORT	3,028	3,535	4,018	4,077	3,626	3.7	-5.7
BIOLOGICAL SCIENCES:							
TOTAL, ALL TYPES	24,264	26,036	26,400	26,923	26,182	1.6	-1.4
FELLOWSHIPS AND TRAINEESHIPS	4,658	4,747	4,199	4,296	4,482	-0.8	2.1
RESEARCH ASSISTANTSHIPS	5,454	5,758	6,433	6,785	7,537	6.7	5.4
TEACHING ASSISTANTSHIPS	7,214	7,347	7,616	7,621	7,289	0.2	-2.2
OTHER TYPES OF SUPPORT	6,878	8,184	8,152	8,221	6,874	0.0	-8.6
HEALTH SCIENCES:							
TOTAL, ALL TYPES	11,032	12,146	13,005	13,865	15,823	7.5	6.8
FELLOWSHIPS AND TRAINEESHIPS	4,422	4,945	4,992	5,306	5,841	5.7	4.9
RESEARCH ASSISTANTSHIPS	685	664	843	893	1,189	11.7	15.4
TEACHING ASSISTANTSHIPS	1,183	1,231	1,297	1,410	1,638	6.7	7.8
OTHER TYPES OF SUPPORT	4,742	5,306	5,873	6,256	7,155	8.6	6.9
PSYCHOLOGY:							
TOTAL, ALL TYPES	12,965	13,365	13,901	13,615	12,820	-0.2	-3.0
FELLOWSHIPS AND TRAINEESHIPS	2,804	2,807	2,725	2,564	2,323	-3.7	-4.8
RESEARCH ASSISTANTSHIPS	1,891	1,747	1,818	1,768	1,926	0.4	4.4
TEACHING ASSISTANTSHIPS	3,216	3,279	3,289	3,347	3,263	0.3	-1.3
OTHER TYPES OF SUPPORT	5,054	5,532	6,069	5,936	5,308	1.0	-5.4
SOCIAL SCIENCES:							
TOTAL, ALL TYPES	32,046	35,232	34,580	34,963	35,112	1.8	0.2
FELLOWSHIPS AND TRAINEESHIPS	4,973	4,751	4,497	4,526	4,623	-0.6	3.2
RESEARCH ASSISTANTSHIPS	4,083	4,104	4,176	4,336	4,566	2.3	2.6
TEACHING ASSISTANTSHIPS	6,737	6,661	5,782	6,045	7,003	0.8	1.1
OTHER TYPES OF SUPPORT	16,253	19,716	19,125	19,256	18,720	2.9	-1.4

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-32. FULL-TIME GRADUATE STUDENTS IN PRIVATE DOCTORATE-GRANTING INSTITUTIONS BY AREA OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1974-79

AREA OF SCIENCE AND TYPE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL AREAS:							
TOTAL, ALL TYPES	52,450	56,631	58,164	59,997	63,525	3.9	2.9
FELLOWSHIPS AND TRAINEESHIPS	16,154	16,156	15,650	16,933	16,188	0.0	-2.2
RESEARCH ASSISTANTSHIPS	8,643	8,864	9,432	9,773	10,960	4.9	5.9
TEACHING ASSISTANTSHIPS	8,657	9,045	9,179	9,209	10,053	3.0	4.5
OTHER TYPES OF SUPPORT	18,996	22,566	23,903	24,082	26,304	6.7	4.5
ENGINEERING:							
TOTAL, ALL TYPES	10,276	11,490	11,211	11,396	12,530	4.0	4.9
FELLOWSHIPS AND TRAINEESHIPS	2,413	2,295	2,162	2,251	2,061	-3.1	-4.3
RESEARCH ASSISTANTSHIPS	3,095	3,193	3,420	3,657	4,018	5.4	4.8
TEACHING ASSISTANTSHIPS	1,384	1,435	1,428	1,478	1,783	5.2	9.8
OTHER TYPES OF SUPPORT	3,384	4,567	4,201	4,010	4,668	6.6	7.9
PHYSICAL SCIENCES:							
TOTAL, ALL TYPES	6,460	6,363	6,465	6,537	6,521	0.2	-0.1
FELLOWSHIPS AND TRAINEESHIPS	1,386	1,296	1,330	1,400	1,186	-3.1	-8.0
RESEARCH ASSISTANTSHIPS	2,114	2,138	2,193	2,308	2,611	4.3	6.4
TEACHING ASSISTANTSHIPS	2,260	2,350	2,385	2,260	2,135	-1.1	-2.8
OTHER TYPES OF SUPPORT	700	579	557	569	589	-3.4	1.7
ENVIRONMENTAL SCIENCES:							
TOTAL, ALL TYPES	1,879	1,893	2,049	1,978	1,990	1.2	0.3
FELLOWSHIPS AND TRAINEESHIPS	385	399	416	461	416	1.6	-5.0
RESEARCH ASSISTANTSHIPS	593	633	699	671	714	3.8	3.2
TEACHING ASSISTANTSHIPS	295	260	322	319	356	3.8	5.6
OTHER TYPES OF SUPPORT	606	601	612	527	504	-3.6	-2.2
MATHEMATICAL SCIENCES:							
TOTAL, ALL TYPES	3,155	3,151	3,289	3,238	3,353	1.2	1.8
FELLOWSHIPS AND TRAINEESHIPS	655	668	674	747	647	-0.2	-6.9
RESEARCH ASSISTANTSHIPS	470	479	557	549	551	3.2	0.2
TEACHING ASSISTANTSHIPS	1,158	1,128	1,152	1,041	1,105	-0.9	3.0
OTHER TYPES OF SUPPORT	872	876	906	901	1,050	3.8	8.0
AGRICULTURAL SCIENCES:							
TOTAL, ALL TYPES	257	280	283	287	337	5.6	8.4
FELLOWSHIPS AND TRAINEESHIPS	80	100	95	94	99	4.4	2.6
RESEARCH ASSISTANTSHIPS	113	116	113	108	138	4.1	13.0
TEACHING ASSISTANTSHIPS	21	18	26	30	30	7.4	0.0
OTHER TYPES OF SUPPORT	43	46	49	55	70	10.2	12.8
BIOLOGICAL SCIENCES:							
TOTAL, ALL TYPES	7,825	8,247	8,434	8,569	8,691	2.1	0.7
FELLOWSHIPS AND TRAINEESHIPS	3,708	3,966	3,773	3,918	3,620	-0.5	-3.9
RESEARCH ASSISTANTSHIPS	901	815	1,035	966	1,378	8.9	19.4
TEACHING ASSISTANTSHIPS	1,283	1,434	1,426	1,456	1,475	2.8	0.7
OTHER TYPES OF SUPPORT	1,933	2,032	2,200	2,229	2,218	2.8	-0.2
HEALTH SCIENCES:							
TOTAL, ALL TYPES	3,096	3,310	3,645	4,352	5,576	12.5	13.2
FELLOWSHIPS AND TRAINEESHIPS	1,334	1,319	1,379	1,959	2,184	10.4	5.6
RESEARCH ASSISTANTSHIPS	107	121	95	123	176	10.5	19.6
TEACHING ASSISTANTSHIPS	171	155	146	170	200	3.2	8.5
OTHER TYPES OF SUPPORT	1,484	1,715	2,025	2,100	3,016	15.2	19.8
PSYCHOLOGY:							
TOTAL, ALL TYPES	5,941	6,410	7,645	7,798	7,805	5.8	0.6
FELLOWSHIPS AND TRAINEESHIPS	1,729	1,662	1,590	1,608	1,521	-5.2	-9.4
RESEARCH ASSISTANTSHIPS	398	461	426	525	407	0.4	-12.0
TEACHING ASSISTANTSHIPS	681	765	779	827	917	6.1	5.3
OTHER TYPES OF SUPPORT	3,133	3,522	4,850	4,838	5,240	10.8	4.1
SOCIAL SCIENCES:							
TOTAL, ALL TYPES	13,561	15,487	15,143	15,842	16,622	4.2	2.4
FELLOWSHIPS AND TRAINEESHIPS	4,484	4,451	4,231	4,495	4,654	0.8	1.8
RESEARCH ASSISTANTSHIPS	852	908	894	866	967	2.6	5.7
TEACHING ASSISTANTSHIPS	1,464	1,500	1,515	1,628	2,052	7.9	12.3
OTHER TYPES OF SUPPORT	6,841	8,628	8,503	8,853	8,949	5.5	0.5

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-33. FULL-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY TYPE AND SOURCE OF MAJOR SUPPORT: 1974-79

TYPE AND SOURCE OF MAJOR SUPPORT	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
FELLOWSHIPS AND TRAINEESHIPS:							
TOTAL, ALL SOURCES	38,499	38,814	37,489	39,208	39,073	0.3	-0.2
FEDERAL, TOTAL	20,137	20,271	18,899	19,686	19,314	-0.8	-0.9
DEPT OF DEFENSE	538	513	448	472	276	-12.5	-23.5
DEPT OF HEW, TOTAL	14,831	15,125	14,170	14,899	15,503	0.9	2.0
NIH	8,020	7,828	8,532	8,256	8,510	-4.1	2.0
OTHER HEW	6,811	7,297	7,638	6,643	6,993	5.7	2.0
NSF	1,717	1,796	1,765	1,809	1,581	-1.6	-6.5
ALL OTHER FEDERAL	3,051	2,837	2,516	2,506	1,954	-8.5	-11.7
INSTITUTIONAL SUPPORT	11,450	11,395	11,341	11,742	12,757	2.2	4.2
OTHER OUTSIDE SUPPORT, TOTAL	6,912	7,148	7,249	7,780	7,002	0.3	-5.1
ALL OTHER U.S.	2,442	3,033	3,301	3,785	3,220	5.7	-7.8
FOREIGN	4,470	4,115	3,948	3,995	3,782	-0.3	-2.7
SELF-SUPPORT	0	0	0	0	0	0	0
RESEARCH ASSISTANTSHIPS:							
TOTAL, ALL SOURCES	39,611	40,147	42,728	43,914	48,497	4.1	5.1
FEDERAL, TOTAL	22,317	23,086	24,427	25,193	27,829	4.5	5.1
DEPT OF DEFENSE	2,657	2,501	2,538	2,637	2,797	1.0	3.0
DEPT OF HEW, TOTAL	4,393	4,754	5,356	5,272	6,141	6.9	7.9
NIH	3,477	3,887	4,456	4,307	5,005	7.6	7.8
OTHER HEW	916	867	900	965	1,136	4.4	8.5
NSF	6,899	6,824	7,038	7,042	7,463	1.6	2.9
ALL OTHER FEDERAL	8,368	9,007	9,495	10,242	11,428	6.4	5.6
INSTITUTIONAL SUPPORT	12,944	12,896	13,875	14,165	15,111	3.1	3.3
OTHER OUTSIDE SUPPORT, TOTAL	4,350	4,165	4,426	4,556	5,557	5.0	10.4
ALL OTHER U.S.	300	241	295	336	687	18.0	43.0
FOREIGN	4,050	3,924	4,131	4,220	4,870	3.8	7.4
SELF-SUPPORT	0	0	0	0	0	0	0
TEACHING ASSISTANTSHIPS:							
TOTAL, ALL SOURCES	46,201	47,364	48,327	48,692	49,777	1.5	1.1
FEDERAL, TOTAL	634	548	563	586	616	-0.6	2.5
DEPT OF DEFENSE	0	0	0	0	0	0	0
DEPT OF HEW, TOTAL	304	341	299	296	246	-4.1	-8.8
NIH	141	160	148	124	109	-5.0	-6.2
OTHER HEW	163	181	151	172	137	-3.4	-10.8
NSF	69	51	44	35	27	-17.1	-12.2
ALL OTHER FEDERAL	261	156	220	255	343	5.6	16.0
INSTITUTIONAL SUPPORT	45,135	46,647	47,466	47,791	48,785	1.6	1.0
OTHER OUTSIDE SUPPORT, TOTAL	432	169	298	312	376	-2.7	9.8
ALL OTHER U.S.	0	0	0	0	0	0	0
FOREIGN	432	169	298	312	376	-2.7	9.8
SELF-SUPPORT	0	0	0	0	0	0	0
OTHER TYPES OF SUPPORT:							
TOTAL, ALL SOURCES	71,595	84,497	86,185	86,631	86,710	3.9	0.0
FEDERAL, TOTAL	4,919	4,384	4,725	5,036	5,219	1.2	1.8
DEPT OF DEFENSE	2,352	2,070	1,812	1,884	1,925	-3.9	1.1
DEPT OF HEW, TOTAL	494	649	541	651	824	10.8	12.5
NIH	281	339	229	244	335	3.6	17.2
OTHER HEW	213	310	312	407	489	18.1	9.6
NSF	133	127	117	138	201	8.6	20.7
ALL OTHER FEDERAL	1,940	1,538	2,255	2,363	2,269	3.2	-2.0
INSTITUTIONAL SUPPORT	5,867	6,348	6,826	7,159	6,395	1.7	-5.5
OTHER OUTSIDE SUPPORT, TOTAL	4,686	5,375	5,715	5,610	7,193	8.9	13.2
ALL OTHER U.S.	1,787	2,138	2,711	2,786	3,652	15.4	14.5
FOREIGN	2,899	3,237	3,004	2,824	3,541	4.1	12.0
SELF-SUPPORT	50,123	68,390	68,919	68,826	67,903	3.9	-0.7

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-34. PART-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	71,106	84,786	85,658	91,135	93,531	97,713	6.6	3.5	4.5
ENGINEERING	23,433	27,991	28,212	29,398	28,543	29,355	4.6	-0.1	2.8
AERONAUTICAL	419	424	295	314	311	314	-5.6	0.0	1.0
AGRICULTURAL	97	99	134	116	149	114	3.3	-0.9	-23.5
BIOMEDICAL	113	119	171	154	180	164	7.7	3.2	-8.9
CHEMICAL	1,392	1,445	1,416	1,263	1,315	1,298	-1.4	1.4	-1.3
CIVIL	4,105	4,605	4,356	4,432	4,313	4,381	1.3	-0.6	1.6
ELECTRICAL	7,737	7,529	7,252	8,115	8,123	8,301	1.4	1.1	2.2
ENGINEERING SCIENCE	733	727	740	697	655	611	-3.6	-6.4	-6.7
INDUSTRIAL	3,345	7,328	7,890	7,668	6,963	7,410	17.2	-1.7	6.6
MECHANICAL	3,298	3,145	2,958	3,300	3,199	3,180	-0.7	-1.8	-0.6
METALLURGICAL/MATERIALS	601	617	554	564	542	555	-1.6	-0.8	2.4
MINING	49	66	107	121	118	112	18.0	-3.8	-5.1
NUCLEAR	430	370	378	331	280	257	-9.8	-11.9	-8.2
PETROLEUM	44	74	53	79	100	105	19.0	15.3	5.0
ENGINEERING, N.E.C.	1,070	1,443	1,908	2,244	2,295	2,553	19.0	6.7	11.2
PHYSICAL SCIENCES	3,325	3,342	3,467	3,356	3,380	3,335	0.1	-1.3	-1.3
ASTRONOMY	59	51	60	43	37	38	-8.4	-6.0	2.7
CHEMISTRY	2,055	2,122	2,119	2,123	2,123	2,052	0.0	-1.7	-3.3
PHYSICS	1,158	1,092	1,098	991	1,023	1,052	-1.9	3.0	2.8
PHYSICAL SCIENCES, N.E.C.	53	77	190	199	197	193	29.5	-1.5	-2.0
ENVIRONMENTAL SCIENCES	1,748	2,000	2,042	2,244	2,130	2,324	5.9	1.8	8.7
ATMOSPHERIC SCIENCES	168	105	108	112	121	101	-9.7	-5.0	-16.5
GEOSCIENCES	1,021	1,124	1,160	1,195	1,238	1,415	6.7	8.8	14.3
OCEANOGRAPHY	211	322	292	425	364	360	11.3	-8.0	-1.1
ENVIRONMENTAL SCIENCES, N.E.C.	348	449	462	512	415	448	5.2	-8.5	8.0
MATHEMATICAL SCIENCES	6,866	7,263	7,308	7,243	7,671	8,473	4.3	8.2	10.5
COMPUTER SCIENCE	2,567	2,900	3,077	3,299	3,929	4,398	11.4	15.5	11.9
MATHEMATICS AND APPLIED MATHEMATICS	3,951	3,987	3,872	3,607	3,398	3,733	-1.2	1.7	9.9
STATISTICS	338	376	359	337	344	342	0.2	0.7	-0.6
LIFE SCIENCES	11,856	13,837	15,123	18,964	20,125	20,507	11.6	4.0	1.9
AGRICULTURAL SCIENCES	1,461	1,652	1,656	1,765	1,947	2,158	8.1	10.6	10.8
BIOLOGICAL SCIENCES	5,648	6,300	6,451	7,160	7,045	6,507	2.9	-4.7	-7.6
ANATOMY	93	84	74	102	86	69	-5.8	-17.8	-19.8
BIOCHEMISTRY	269	292	249	239	276	270	0.1	6.3	-2.2
BIOLOGY	2,344	2,849	2,956	3,090	2,773	2,637	2.4	-7.6	-4.9
BIOMETRY/EPIDEMIOLOGY	124	102	94	158	157	157	4.8	-0.3	0.0
BIOPHYSICS	43	92	28	23	16	31	-6.3	16.1	93.8
BOTANY	226	269	300	297	285	223	-0.3	-13.3	-21.8
CELL BIOLOGY	22	21	30	35	21	20	-1.5	-24.4	-4.8
ECOLOGICAL	42	68	102	81	85	106	20.3	14.4	24.7
ENTOMOLOGY/PARASITOLOGY	168	184	178	213	200	230	6.5	3.9	15.0
GENETICS	48	60	71	73	88	90	13.4	11.0	2.3
MICROBIOLOGY	449	390	473	523	557	439	-0.4	-8.4	-21.2
NUTRITION	376	388	491	801	871	681	12.6	-7.8	-21.8
PATHOLOGY	133	165	114	213	175	171	5.2	-10.4	-2.3
PHARMACOLOGY	121	100	114	123	138	146	3.8	8.9	5.8
PHYSIOLOGY	362	260	266	202	301	320	-2.4	25.9	6.3
ZOOLOGY	443	462	412	436	458	458	0.7	2.5	0.0
BIOSCIENCES, N.E.C.	385	514	499	551	558	459	3.6	-8.7	-17.7
HEALTH SCIENCES	4,747	5,885	7,016	10,039	11,133	11,842	20.1	8.6	6.4
ANESTHESIOLOGY	0	0	0	2	3	2	0.0	0.0	-33.3
CARDIOLOGY	4	1	2	2	0	0	-100.0	-100.0	0.0
CLINICAL PHARMACOLOGY	2	1	0	0	2	0	-100.0	0.0	-100.0
DENTISTRY	132	194	124	239	254	172	5.4	-15.2	-32.3
ENDOCRINOLOGY	3	0	4	7	3	6	14.9	-7.4	100.0
GASTROENTEROLOGY	1	4	0	0	0	0	-100.0	0.0	0.0
HEMATOLOGY	0	0	1	0	0	0	0.0	0.0	0.0
NEUROLOGY	10	3	9	8	2	4	-16.7	-29.3	100.0
NURSING	1,536	2,005	2,809	4,747	5,284	5,480	28.9	7.2	3.7
OBSTETRICS/GYNECOLOGY	13	2	7	2	3	3	-25.4	22.5	0.0
OPHTHALMOLOGY	4	2	2	2	0	0	-100.0	-100.0	0.0
OTORHINOLARYNGOLOGY	3	4	4	1	1	2	-7.8	41.4	100.0
PEDIATRICS	30	27	36	5	5	7	-36.9	-22.5	-40.0
PHARMACEUTICAL SCIENCES	650	765	797	909	951	892	5.6	-3.2	-10.4
PREVENTIVE MEDICINE/COMMUNITY HEALTH	577	718	998	1,343	1,500	1,899	26.9	18.9	26.6
PSYCHIATRY	92	59	39	33	40	39	-15.8	8.7	-2.5
PULMONARY DISEASE	0	0	0	0	0	0	0.0	0.0	0.0
RADIOLOGY	52	60	12	41	33	63	3.9	24.0	90.9
SPEECH PATHOLOGY/AUDIOLOGY	927	1,216	1,048	1,312	1,425	1,376	8.2	2.4	-3.4
SURGERY	32	11	12	18	15	2	-42.6	-66.7	-86.7
VETERINARY SCIENCES	152	171	170	191	239	250	10.5	14.4	4.6
CLINICAL MEDICINE, N.E.C.	307	27	43	65	104	112	-18.3	31.3	7.7
HEALTH RELATED, N.E.C.	220	615	839	1,112	1,289	1,597	48.7	19.8	23.9
PSYCHOLOGY	6,123	7,369	6,799	7,038	7,243	7,267	3.5	1.6	0.3
SOCIAL SCIENCES	17,755	22,984	22,707	22,892	24,431	26,452	8.3	7.5	8.3
AGRICULTURAL ECONOMICS	158	223	227	246	231	249	9.5	0.6	7.8
ANTHROPOLOGY	1,108	1,346	1,308	1,260	1,362	1,460	5.7	7.6	7.2
ECONOMICS	2,840	2,914	3,036	2,961	2,908	2,848	0.1	-1.9	-2.1
GEOGRAPHY	778	785	813	797	764	700	-2.1	-8.3	-8.4
HISTORY AND PHILOSOPHY	40	44	52	43	40	31	-9.0	-15.1	-22.5
LINGUISTICS	572	831	816	1,094	1,104	1,352	18.8	13.3	22.5
POLITICAL SCIENCE	6,235	8,930	8,976	8,814	9,604	11,486	13.0	14.2	19.6
SOCIOLOGY	3,149	3,481	3,235	2,872	3,018	2,809	-2.3	-1.1	-6.9
SOCIOLOGY/ANTHROPOLOGY	483	582	632	573	566	505	0.9	-8.1	-10.8
SOCIAL SCIENCES, N.E.C.	2,992	3,868	3,617	4,272	4,834	5,012	15.9	8.3	3.7

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-35. PART-TIME GRADUATE STUDENTS IN PUBLIC DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	43,288	50,261	56,102	52,091	54,996	56,966	5.6	4.6	3.6
ENGINEERING	12,510	13,342	13,530	13,535	13,476	13,531	1.7	0.4	1.2
AERONAUTICAL	322	351	250	251	255	255	-4.6	0.8	0.0
AGRICULTURAL	95	98	133	116	149	114	3.7	-0.9	-23.5
BIOMEDICAL	17	35	53	46	72	70	32.7	23.4	-2.8
CHEMICAL	830	955	899	761	810	802	-0.7	2.7	-1.0
CIVIL	2,386	2,668	2,524	2,662	2,631	2,575	1.5	-1.6	-2.1
ELECTRICAL	3,553	3,416	3,282	3,589	3,571	3,974	2.3	5.2	11.3
ENGINEERING SCIENCE	649	669	711	683	621	592	-1.8	-5.5	-4.7
INDUSTRIAL	1,379	1,835	2,105	1,801	1,716	1,484	1.5	-9.2	-13.5
MECHANICAL	1,832	1,844	1,821	1,825	1,867	1,755	-0.9	-1.9	-6.0
METALLURGICAL/MATERIALS	292	314	262	269	262	279	-0.9	1.8	6.5
MINING	46	61	101	116	113	107	18.4	-4.0	-5.3
NUCLEAR	204	179	221	198	183	183	-2.1	-3.9	0.0
PETROLEUM	10	16	32	46	63	78	50.8	30.2	23.8
ENGINEERING, N.E.C.	895	901	1,096	1,192	1,163	1,363	8.8	6.9	17.2
PHYSICAL SCIENCES	1,931	2,014	1,996	1,909	2,033	2,043	1.1	3.5	0.5
ASTRONOMY	55	46	53	39	37	36	-8.1	-3.9	-2.7
CHEMISTRY	1,190	1,280	1,244	1,198	1,243	1,253	1.0	2.3	0.8
PHYSICS	663	675	671	629	708	721	1.7	7.1	1.8
PHYSICAL SCIENCES, N.E.C.	23	13	28	43	45	33	7.5	-12.4	-26.7
ENVIRONMENTAL SCIENCES	1,390	1,666	1,724	1,820	1,768	1,903	6.5	2.3	7.6
ATMOSPHERIC SCIENCES	78	90	98	109	120	100	5.1	-4.2	-16.7
GEOSCIENCES	822	868	922	976	1,041	1,142	6.8	8.2	9.7
OCEANOGRAPHY	149	264	237	258	226	308	15.6	9.3	36.3
ENVIRONMENTAL SCIENCES, N.E.C.	341	444	467	477	381	353	0.7	-14.0	-7.3
MATHEMATICAL SCIENCES	4,499	4,924	4,959	4,619	4,775	4,841	1.5	2.4	1.4
COMPUTER SCIENCE	1,852	2,085	2,200	2,113	2,377	2,490	6.1	8.6	4.8
MATHEMATICS AND APPLIED MATHEMATICS	2,384	2,558	2,500	2,254	2,135	2,087	-2.6	-3.8	-2.2
STATISTICS	263	281	259	252	263	264	0.1	2.4	0.4
LIFE SCIENCES	8,726	10,339	10,974	12,765	14,014	14,431	10.6	6.3	3.0
AGRICULTURAL SCIENCES	1,449	1,641	1,647	1,749	1,932	2,142	8.1	10.7	10.9
BIOLOGICAL SCIENCES	3,838	4,182	4,292	4,719	4,956	4,552	3.5	-1.8	-8.2
ANATOMY	70	62	54	64	63	49	-6.9	-12.5	-22.2
BIOCHEMISTRY	186	221	183	175	189	192	0.6	4.7	1.6
BIOLOGY	1,248	1,458	1,514	1,552	1,524	1,447	3.0	-3.4	-5.1
BIOMETRY/EPIDEMIOLOGY	62	60	49	90	99	110	12.2	10.6	11.1
BIOPHYSICS	40	88	24	21	16	31	-5.0	21.5	93.8
BOTANY	197	234	259	272	253	201	0.4	-14.0	-20.6
CELL BIOLOGY	12	10	15	26	16	17	7.2	-19.1	6.3
ECOLOGY	42	68	101	81	85	106	20.3	14.4	24.7
ENTOMOLOGY/PARASITOLOGY	165	184	178	210	196	226	6.5	3.7	15.3
GENETICS	31	50	34	32	38	45	7.7	18.6	18.4
MICROBIOLOGY	362	290	377	398	474	366	0.2	-4.1	-22.8
NUTRITION	335	327	415	671	781	583	11.7	-6.8	-25.4
PATHOLOGY	91	136	90	138	111	117	5.2	-7.9	5.4
PHARMACOLOGY	79	58	73	76	78	63	-4.4	-9.0	-19.2
PHYSIOLOGY	253	168	172	123	188	220	-2.8	33.7	17.0
ZOOLOGY	397	446	406	417	431	437	1.9	2.4	1.4
BIOSCIENCES, N.E.C.	268	322	348	373	414	342	5.0	-4.2	-17.4
HEALTH SCIENCES	3,439	4,516	5,035	6,297	7,126	7,737	17.6	10.8	8.6
ANESTHESIOLOGY	0	0	0	0	0	0	..	..	..
CARDIOLOGY	0	0	2	0	0	0	..	..	..
CLINICAL PHARMACOLOGY	1	1	0	0	0	0	-100.0	..	..
DENTISTRY	109	110	106	118	144	121	2.1	1.3	-16.0
ENDOCRINOLOGY	3	0	2	2	3	6	14.9	73.2	100.0
GASTROENTEROLOGY	1	0	0	0	0	0	-100.0	..	..
HEMATOLOGY	0	0	0	0	0	0	..	..	..
NEUROLOGY	5	3	2	1	1	4	-4.4	100.0	200.0
NURSING	1,393	1,825	2,340	3,189	3,675	3,887	22.8	10.4	5.8
OBSTETRICS/GYNECOLOGY	12	2	5	0	1	1	-39.2	..	0.0
OPHTHALMOLOGY	2	2	1	1	0	0	-100.0	-100.0	..
OTORHINOLARYNGOLOGY	0	4	4	0	1	2	..	..	100.0
PEDIATRICS	27	21	33	2	0	0	-100.0	-100.0	..
PHARMACEUTICAL SCIENCES	242	229	210	218	228	208	-3.0	-2.3	-8.8
PREVENTIVE MEDICINE/COMMUNITY HEALTH	381	510	687	814	908	1,133	24.4	18.0	24.8
PSYCHIATRY	76	33	32	20	27	26	-19.3	14.0	-3.7
PULMONARY DISEASE	0	0	0	0	0	0	..	..	..
RADIOLOGY	42	58	12	40	32	58	6.7	20.4	81.3
SPEECH PATHOLOGY/AUDIOLOGY	745	1,015	873	1,145	1,185	1,160	9.3	0.7	-2.1
SURGERY	30	10	8	7	7	0	-100.0	-100.0	-100.0
VETERINARY SCIENCES	152	170	170	190	239	250	10.5	14.7	4.6
CLINICAL MEDICINE, N.E.C.	38	27	40	48	67	76	14.9	25.8	13.4
HEALTH RELATED, N.E.C.	180	487	508	502	608	805	34.9	26.6	32.4
PSYCHOLOGY	2,735	3,803	2,987	3,273	3,313	3,397	4.4	1.9	2.5
SOCIAL SCIENCES	11,497	14,373	13,932	14,170	15,617	16,720	7.8	8.6	7.1
AGRICULTURAL ECONOMICS	156	223	232	246	231	249	9.8	0.6	7.8
ANTHROPOLOGY	761	871	928	869	995	1,050	6.6	9.9	5.5
ECONOMICS (EXCEPT AGRICULTURAL)	1,669	1,675	1,662	1,610	1,792	1,843	-0.3	1.0	-8.3
GEOGRAPHY	724	722	779	759	725	642	-2.4	-8.0	-11.4
HISTORY AND PHILOSOPHY OF SCIENCE	12	23	29	28	21	17	7.2	-22.1	-19.0
LINGUISTICS	383	517	564	688	798	890	18.4	13.7	11.5
POLITICAL SCIENCE	3,888	4,909	4,695	4,851	5,195	6,151	9.8	12.6	18.4
SOCIOLOGY	2,342	2,671	2,398	2,098	2,416	2,153	-1.7	1.3	-10.9
SOCIOLOGY/ANTHROPOLOGY	260	343	362	231	216	173	-7.8	-13.5	-19.9
SOCIAL SCIENCES, N.E.C.	1,302	2,419	2,293	2,790	3,228	3,752	23.6	16.0	16.2

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-36. PART-TIME GRADUATE STUDENTS IN PRIVATE DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	27,818	34,525	35,556	39,044	38,535	40,747	7.9	2.2	5.7
ENGINEERING	10,923	14,649	14,682	15,863	15,067	15,724	7.6	-0.4	4.4
AERONAUTICAL	97	73	45	63	56	59	-0.5	-3.2	5.4
AGRICULTURAL	2	1	1	0	0	0	-100.0	0.0	0.0
BIOMEDICAL	96	84	78	108	108	94	-0.4	-6.7	-13.0
CHEMICAL	562	490	517	502	505	496	-2.5	-0.6	-1.8
CIVIL	1,719	1,937	1,832	1,770	1,682	1,806	1.0	1.0	7.4
ELECTRICAL	4,184	4,113	3,970	4,526	4,552	4,327	0.7	-2.2	-4.9
ENGINEERING SCIENCE	84	58	29	34	34	19	-25.7	-25.2	-44.1
INDUSTRIAL	1,966	5,493	5,785	5,867	5,247	5,926	24.7	0.5	12.9
MECHANICAL	1,466	1,301	1,137	1,475	1,332	1,425	-0.6	-1.7	7.0
METALLURGICAL/MATERIALS	309	303	292	295	280	276	-2.2	-3.3	-1.4
MINING	3	5	6	5	5	5	10.8	0.0	0.0
NUCLEAR	226	191	157	133	97	74	-20.0	-25.4	-23.7
PETROLEUM	34	58	21	33	37	27	-4.5	-9.5	-27.0
ENGINEERING, N.E.C.	175	542	812	1,052	1,132	1,190	46.7	6.4	5.1
PHYSICAL SCIENCES	1,394	1,328	1,471	1,447	1,347	1,292	-1.5	-5.5	-4.1
ASTRONOMY	4	5	7	4	0	2	-12.9	-29.3	0.0
CHEMISTRY	865	842	875	925	880	799	-1.6	-7.1	-9.2
PHYSICS	495	417	427	362	315	331	-7.7	-4.4	1.1
PHYSICAL SCIENCES, N.E.C.	30	64	162	156	152	160	39.8	1.3	5.3
ENVIRONMENTAL SCIENCES	358	334	318	424	370	421	3.3	-0.4	13.8
ATMOSPHERIC SCIENCES	90	15	10	3	1	1	-59.3	-42.3	0.0
GEOSCIENCES	199	256	238	219	197	273	6.5	11.7	38.6
OCEANOGRAPHY	62	58	55	167	138	52	-3.5	-44.2	-62.3
ENVIRONMENTAL SCIENCES, N.E.C.	7	5	15	35	34	95	68.5	64.8	179.4
MATHEMATICAL SCIENCES	2,367	2,339	2,349	2,624	2,896	3,632	8.9	17.6	25.4
COMPUTER SCIENCE	715	815	877	1,186	1,552	1,908	21.7	26.8	22.9
MATHEMATICS AND APPLIED MATHEMATICS	1,577	1,429	1,372	1,353	1,263	1,646	0.9	10.3	30.3
STATISTICS	75	95	100	85	81	78	0.8	-4.2	-3.7
LIFE SCIENCES	3,130	3,498	4,149	6,199	6,111	6,076	14.2	-1.0	-0.6
AGRICULTURAL SCIENCES	12	11	9	16	15	16	5.9	0.0	6.7
BIOLOGICAL SCIENCES	1,810	2,118	2,159	2,441	2,089	1,955	1.6	-10.5	-6.4
ANATOMY	23	22	20	38	23	20	-2.8	-27.5	-13.0
BIOCHEMISTRY	83	71	66	64	87	78	1.7	-12.0	-4.7
BIOLOGY	1,096	1,391	1,442	1,538	1,249	1,190	-1.2	10.4	-10.3
BIOMETRY/EPIDEMIOLOGY	62	42	45	68	58	47	-5.4	-16.9	-19.0
BIOPHYSICS	3	4	4	2	0	0	-100.0	-100.0	0.0
BOTANY	29	35	41	25	32	22	-5.4	-6.2	-31.3
CELL BIOLOGY	10	11	15	9	5	3	-21.4	-42.3	-40.0
ECOLOGICAL	0	0	1	0	0	0	0.0	0.0	0.0
ENTOMOLOGY/PARASITOLOGY	3	0	0	3	4	4	5.9	15.5	0.0
GENETICS	17	10	37	41	50	45	21.5	4.8	-10.0
MICROBIOLOGY	87	100	96	125	83	73	-3.4	-23.6	-12.0
NUTRITION	41	61	76	130	90	98	19.0	-13.2	8.9
PATHOLOGY	42	29	21	75	64	54	5.2	-15.1	-15.6
PHARMACOLOGY	42	42	41	47	60	83	14.6	32.9	38.3
PHYSIOLOGY	109	92	94	79	113	100	-1.7	12.5	-11.5
ZOOLOGY	46	16	6	19	27	21	-14.5	5.1	-22.2
BIOSCIENCES, N.E.C.	117	192	151	178	144	117	0.0	-18.9	-18.8
HEALTH SCIENCES	1,308	1,369	1,981	3,742	4,007	4,105	25.7	4.7	2.4
ANESTHESIOLOGY	0	0	0	2	3	2	0.0	0.0	-33.3
CARDIOLOGY	4	1	0	2	0	0	-100.0	-100.0	0.0
CLINICAL PHARMACOLOGY	1	0	0	0	2	0	-100.0	0.0	-100.0
DENTISTRY	23	84	78	121	110	57	17.3	-35.1	-53.6
ENDOCRINOLOGY	0	0	0	0	0	0	0.0	0.0	0.0
GASTROENTEROLOGY	0	0	2	5	0	0	0.0	0.0	0.0
HEMATOLOGY	0	0	0	0	0	0	0.0	0.0	0.0
NEUROLOGY	0	0	1	0	0	0	0.0	0.0	0.0
NURSING	143	180	469	1,558	1,589	1,573	61.5	0.5	-1.0
OBSTETRICS/GYNECOLOGY	2	0	2	2	2	2	14.9	0.0	0.0
OPHTHALMOLOGY	1	0	1	1	0	0	-100.0	-100.0	0.0
OTORHINOLARYNGOLOGY	3	0	0	1	0	0	-100.0	-100.0	0.0
PEDIATRICS	3	6	3	3	5	3	0.0	0.0	-40.0
PHARMACEUTICAL SCIENCES	408	536	587	691	723	644	9.6	-3.5	-10.9
PREVENTIVE MEDICINE/COMMUNITY HEALTH	196	199	311	529	592	766	31.3	20.3	29.4
PSYCHIATRY	16	26	7	13	13	13	-4.1	0.0	0.0
PULMONARY DISEASE	0	0	0	0	0	0	0.0	0.0	0.0
RADIOLOGY	10	2	0	1	1	5	-12.9	123.6	400.0
SPEECH PATHOLOGY/AUDIOLOGY	182	201	175	167	240	216	3.5	13.7	-10.0
SURGERY	2	1	4	11	8	2	0.0	-57.4	-75.0
VETERINARY SCIENCES	0	1	0	0	0	0	0.0	0.0	0.0
CLINICAL MEDICINE, N.E.C.	254	0	3	17	37	36	-33.1	45.5	-2.7
HEALTH RELATED, N.E.C.	40	128	331	610	681	792	81.7	13.9	16.3
PSYCHOLOGY	3,388	3,766	3,812	3,765	3,930	3,870	2.7	1.4	-1.5
SOCIAL SCIENCES	6,258	8,611	8,775	8,722	8,814	9,732	9.2	5.6	10.4
AGRICULTURAL ECONOMICS	2	0	0	0	0	0	-100.0	0.0	0.0
ANTHROPOLOGY	347	475	380	391	367	410	3.4	2.4	11.7
ECONOMICS (EXCEPT AGRICULTURAL)	1,171	1,239	1,374	1,351	1,116	1,205	0.6	-5.6	8.0
GEOGRAPHY	54	63	34	38	39	58	1.4	23.5	48.7
HISTORY AND PHILOSOPHY OF SCIENCE	28	21	23	15	19	14	-12.9	-3.4	-26.3
LINGUISTICS	189	314	252	366	306	462	19.6	12.4	51.0
POLITICAL SCIENCE	2,347	4,021	4,281	3,963	4,409	5,335	17.8	16.0	21.0
SOCIOLOGY	807	810	837	774	802	856	-4.1	-7.9	9.0
SOCIOLOGY/ANTHROPOLOGY	223	239	270	342	350	332	8.3	-1.5	-5.1
SOCIAL SCIENCES, N.E.C.	1,090	1,429	1,324	1,482	1,606	1,260	2.9	-7.8	-21.5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-37. FIRST-YEAR PART-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	28,693	33,474	31,247	34,758	31,665	30,577	1.3	-6.2	-3.4
ENGINEERING	10,395	12,815	11,912	12,582	10,528	9,523	-1.7	-13.0	-9.5
AERONAUTICAL	122	162	89	127	98	139	2.6	4.6	41.8
AGRICULTURAL	20	28	40	27	36	21	1.0	-11.8	-41.7
BIOMEDICAL	42	35	51	34	41	28	-7.8	-9.3	-31.7
CHEMICAL	590	549	455	502	441	377	-8.6	-13.3	-14.5
CIVIL	1,637	1,716	1,494	1,501	1,266	1,225	-5.6	-9.7	-3.2
ELECTRICAL	3,794	3,566	3,311	4,146	3,415	2,750	-6.2	-18.6	-19.5
ENGINEERING SCIENCE	313	290	304	223	181	156	-13.0	-16.4	-13.8
INDUSTRIAL	1,405	4,138	3,966	3,573	3,036	3,004	16.4	-8.3	-1.1
MECHANICAL	1,573	1,247	1,135	1,240	998	921	-10.2	-13.8	-7.7
METALLURGICAL/MATERIALS	184	135	128	162	140	141	-5.2	-6.7	0.7
MINING	14	16	42	30	29	17	4.0	-24.7	-41.4
NUCLEAR	207	156	100	79	63	36	-29.5	-32.5	-42.0
PETROLEUM	8	19	9	20	23	8	0.0	-36.8	-65.2
ENGINEERING, N.E.C.	486	758	788	918	761	700	7.6	-12.7	-8.0
PHYSICAL SCIENCES	1,044	1,005	996	975	1,003	963	-1.6	-0.6	-4.0
ASTRONOMY	10	4	17	13	6	7	-6.9	-26.6	16.7
CHEMISTRY	693	651	665	630	628	628	-2.0	-0.2	0.0
PHYSICS	310	301	259	227	289	285	-1.7	12.0	-1.4
PHYSICAL SCIENCES, N.E.C.	31	49	55	105	80	43	6.8	-36.0	-46.3
ENVIRONMENTAL SCIENCES	557	598	495	567	480	443	-4.5	-11.6	-7.7
ATMOSPHERIC SCIENCES	35	29	37	23	21	17	-13.4	-14.0	-19.0
GEOSCIENCES	264	282	211	214	203	271	0.5	12.5	33.5
OCEANOGRAPHY	65	99	65	160	133	55	-3.3	-41.4	-58.6
ENVIRONMENTAL SCIENCES, N.E.C.	193	188	182	170	123	100	-12.3	-23.3	-18.7
MATHEMATICAL SCIENCES	3,130	3,272	2,545	3,064	3,007	2,883	-1.6	-3.0	-4.1
COMPUTER SCIENCE	1,311	1,424	1,332	1,509	1,627	1,313	0.0	-6.7	-19.3
MATHEMATICS AND APPLIED MATHEMATICS	1,739	1,747	1,213	1,488	1,293	1,513	-2.7	0.8	17.0
STATISTICS	80	101	100	67	87	57	-6.6	-7.8	-34.5
LIFE SCIENCES	4,809	5,369	5,850	7,608	6,967	6,583	6.5	-7.0	-5.5
AGRICULTURAL SCIENCES	388	425	421	444	429	384	-0.2	-7.0	-10.5
BIOLOGICAL SCIENCES	2,063	2,024	2,119	2,358	1,982	1,703	-3.8	-15.0	-14.1
ANATOMY	34	29	16	18	12	10	-21.7	-25.5	-16.7
BIOCHEMISTRY	105	101	93	86	83	79	-5.5	-4.2	-4.8
BIOLOGY	919	985	1,089	1,106	879	759	-3.8	-17.2	-13.7
BIOMETRY/EPIDEMIOLOGY	52	34	30	46	43	52	0.0	6.3	20.9
BIOPHYSICS	8	38	4	4	2	3	-17.8	-13.4	50.0
BOTANY	45	49	73	61	56	43	-0.9	-16.0	-23.2
CELL BIOLOGY	8	10	8	8	2	3	-17.8	-38.8	50.0
ECOLOGICAL	15	10	23	14	18	19	-7.1	-7.1	5.6
ENTOMOLOGY/PARASITOLOGY	25	39	42	52	40	40	9.9	-12.3	-9.1
GENETICS	24	22	22	16	14	9	-17.8	-25.0	-35.7
MICROBIOLOGY	151	109	122	165	128	102	-7.5	-21.4	-20.3
NUTRITION	192	161	197	299	231	217	2.5	-14.8	-6.1
PHARMACOLOGY	68	59	29	81	44	44	-8.3	-26.1	-29.1
PHYSIOLOGY	142	93	88	85	99	111	-4.8	14.3	12.1
ZOOLOGY	73	85	89	87	98	57	-4.8	-19.1	-41.8
BIOSCIENCES, N.E.C.	158	174	164	190	154	126	-1.4	-18.6	-18.2
HEALTH SCIENCES	2,358	2,920	3,310	4,806	4,556	4,496	13.8	-3.3	-1.3
ANESTHESIOLOGY	0	0	0	2	2	0	0.0	-100.0	-100.0
CARDIOLOGY	2	1	0	0	0	0	-100.0	0.0	0.0
CLINICAL PHARMACOLOGY	0	1	0	0	0	0	0.0	0.0	0.0
DENTISTRY	37	53	38	67	44	41	2.1	-21.8	-6.8
ENDOCRINOLOGY	2	0	0	2	1	2	0.0	0.0	100.0
GASTROENTEROLOGY	0	0	0	0	0	0	0.0	0.0	0.0
HEMATOLOGY	0	0	1	0	0	0	0.0	0.0	0.0
NEUROLOGY	0	0	0	0	0	0	0.0	0.0	0.0
NURSING	1,071	1,352	1,693	2,590	2,348	2,600	19.4	0.2	100.0
OBSTETRICS/GYNECOLOGY	4	1	2	1	1	1	-24.2	0.0	0.0
OPHTHALMOLOGY	0	0	1	0	0	0	0.0	0.0	0.0
OTORHINOLARYNGOLOGY	1	1	0	0	1	0	-100.0	0.0	-100.0
PEDIATRICS	10	2	0	3	0	0	-100.0	-100.0	0.0
PHARMACEUTICAL SCIENCES	197	264	277	291	328	290	8.0	-0.2	-11.6
PREVENTIVE MEDICINE/COMMUNITY HEALTH	277	323	466	594	612	476	11.4	-10.5	-22.2
PSYCHIATRY	17	8	7	3	7	8	-14.0	63.3	14.3
PULMONARY DISEASE	0	0	0	0	0	0	0.0	0.0	0.0
RADIOLOGY	26	16	0	10	10	10	-17.4	0.0	0.0
SPEECH PATHOLOGY/AUDIOLOGY	458	492	341	503	491	362	-4.6	-15.2	-26.3
SURGERY	21	3	1	3	1	1	-45.6	-42.3	0.0
VETERINARY SCIENCES	55	66	45	61	73	59	1.4	-1.7	-19.2
CLINICAL MEDICINE, N.E.C.	62	8	13	15	46	57	-11.7	94.9	23.9
HEALTH RELATED, N.E.C.	118	326	395	662	590	588	37.9	-9.8	-0.3
PSYCHOLOGY	1,935	1,985	1,585	1,726	1,542	1,410	-6.1	-5.6	-8.6
SOCIAL SCIENCES	6,823	8,430	7,464	8,236	8,138	8,772	5.2	3.2	7.8
AGRICULTURAL ECONOMICS	24	50	67	62	40	32	5.9	-28.2	-20.0
ANTHROPOLOGY	212	247	262	232	201	264	4.5	6.7	31.3
ECONOMICS	998	912	764	830	764	640	-8.5	-12.2	-16.2
(EXCEPT AGRICULTURAL)	154	159	191	188	155	111	-6.3	-23.2	-28.4
GEOGRAPHY	10	4	7	4	9	3	-21.4	-13.4	-66.7
HISTORY AND PHILOSOPHY	221	249	287	365	406	305	6.7	-8.6	-24.0
POLITICAL SCIENCE	2,685	3,476	2,978	3,328	3,375	4,129	9.0	11.4	22.9
SOCIOLOGY	982	1,051	988	886	777	692	-7.9	-18.2	-18.1
SOCIOLOGY/ANTHROPOLOGY	157	178	135	136	148	102	-8.3	-13.4	-31.1
SOCIAL SCIENCES, N.E.C.	1,380	2,104	1,785	2,025	2,263	2,534	12.9	7.2	12.0

TABLE B-38. PART-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL FIELDS	42,413	51,312	54,411	56,377	61,866	67,136	9.6	9.1	8.5
ENGINEERING	13,038	15,176	16,300	16,816	18,015	19,832	8.8	8.6	10.1
AERONAUTICAL	297	262	206	187	213	175	-10.0	-3.3	-17.8
AGRICULTURAL	77	71	94	89	113	93	3.8	2.2	-17.7
BIOMEDICAL	71	84	120	120	139	136	13.9	6.5	-2.2
CHEMICAL	802	896	961	761	874	921	2.8	10.0	5.4
CIVIL	2,468	2,889	2,862	2,931	3,047	3,156	5.1	3.8	3.6
ELECTRICAL	3,943	3,963	3,941	3,969	4,708	5,551	7.1	18.3	17.9
ENGINEERING SCIENCE	420	437	436	474	474	455	1.6	-2.0	-4.0
INDUSTRIAL	1,940	3,190	3,924	4,095	3,927	4,406	17.8	3.7	12.2
MECHANICAL	1,725	1,898	1,823	2,060	2,201	2,259	5.5	4.7	2.6
METALLURGICAL/MATERIALS	417	482	426	407	402	414	-0.1	1.5	3.0
MINING	35	50	65	9	89	95	22.1	2.2	6.7
NUCLEAR	223	214	278	252	217	221	-0.2	-6.4	1.8
PETROLEUM	36	55	44	59	77	97	21.9	28.2	26.0
ENGINEERING, N.E.C.	584	685	1,120	1,326	1,534	1,853	26.0	18.2	20.8
PHYSICAL SCIENCES	2,281	2,337	2,471	2,381	2,377	2,372	0.8	-0.2	-0.2
ASTRONOMY	49	47	43	30	31	31	-8.7	1.7	0.0
CHEMISTRY	1,362	1,471	1,454	1,493	1,495	1,424	0.9	-2.3	-4.7
PHYSICS	848	791	839	764	734	767	-2.0	0.2	4.5
PHYSICAL SCIENCES, N.E.C.	22	28	135	94	117	150	46.8	26.3	28.2
ENVIRONMENTAL SCIENCES	1,191	1,402	1,547	1,677	1,658	1,881	9.6	5.9	13.4
ATMOSPHERIC SCIENCES	133	76	71	89	100	84	-8.8	-2.8	-16.0
GEOSCIENCES	757	842	949	981	1,035	1,144	8.6	8.0	10.5
OCEANOGRAPHY	146	223	227	265	231	305	15.9	7.3	32.0
ENVIRONMENTAL SCIENCES, N.E.C.	155	261	300	342	292	348	17.6	0.9	19.2
MATHEMATICAL SCIENCES	3,736	3,991	4,363	4,179	4,664	5,590	8.4	15.7	19.9
COMPUTER SCIENCE	1,256	1,476	1,745	1,790	2,302	3,085	19.7	31.3	34.0
MATHEMATICS AND APPLIED MATHEMATICS	2,222	2,240	2,359	2,119	2,105	2,220	0.0	2.4	5.5
STATISTICS	258	275	259	270	257	285	2.0	2.7	10.9
LIFE SCIENCES	7,047	8,468	9,273	11,356	13,158	13,924	14.6	10.7	5.8
AGRICULTURAL SCIENCES	1,073	1,227	1,235	1,321	1,518	1,774	10.6	15.9	16.9
BIOLOGICAL SCIENCES	3,585	4,276	4,332	4,802	5,063	4,804	6.0	0.0	-5.1
ANATOMY	59	55	58	84	74	59	0.0	-16.2	-20.3
BIOCHEMISTRY	164	191	156	153	193	191	3.1	11.7	-1.0
BIOLOGY	1,425	1,864	1,867	1,984	1,894	1,878	5.7	-2.7	-0.8
BIOMETRY/EPIDEMIOLOGY	72	68	64	112	114	105	7.8	-3.2	-7.9
BIOPHYSICS	35	54	24	19	14	28	-4.4	21.4	100.0
BOTANY	181	220	227	236	229	180	-0.1	-12.7	-21.4
CELL BIOLOGY	14	11	21	27	19	17	4.0	-20.7	-10.5
ECOLOGY	28	58	79	59	67	87	25.5	21.4	29.9
ENTOMOLOGY/PARASITOLOGY	143	145	136	161	156	190	5.8	8.6	21.8
GENETICS	24	38	49	57	74	81	27.5	19.2	9.5
MICROBIOLOGY	298	281	351	358	429	337	2.5	-3.0	-21.4
NUTRITION	184	227	294	502	640	464	20.3	-3.9	-27.5
PATHOLOGY	65	106	85	132	117	127	14.3	-1.9	8.5
PHARMACOLOGY	76	74	85	91	77	117	9.0	13.4	51.9
PHYSIOLOGY	220	167	178	117	202	209	-1.0	33.7	3.5
ZOOLOGY	370	377	323	349	360	401	1.6	7.2	11.4
BIOLOGICAL SCIENCES, N.E.C.	227	340	335	361	404	333	8.0	-4.0	-17.6
HEALTH SCIENCES	2,389	2,965	3,706	5,233	6,577	7,346	25.2	18.5	11.7
ANESTHESIOLOGY	0	0	0	0	1	2	0.0	0.0	100.0
CARDIOLOGY	2	0	2	2	0	0	-100.0	-100.0	0.0
CLINICAL PHARMACOLOGY	2	0	0	0	2	0	-100.0	0.0	-100.0
DENTISTRY	95	141	146	172	210	131	6.6	-12.7	-37.6
ENDOCRINOLOGY	1	0	4	5	2	4	32.0	-10.6	100.0
GASTROENTEROLOGY	1	4	0	0	0	0	-100.0	0.0	0.0
HEMATOLOGY	0	0	0	0	0	0	0.0	0.0	0.0
NEUROLOGY	10	0	9	8	1	4	-16.7	-29.3	300.0
NURSING	465	653	1,116	2,157	2,916	2,859	43.8	15.1	-2.0
OBSTETRICS/GYNECOLOGY	9	1	5	2	2	2	-26.0	0.0	0.0
OPHTHALMOLOGY	4	2	1	2	0	0	-100.0	-100.0	0.0
OTORHINOLARYNGOLOGY	2	3	4	1	0	2	0.0	41.4	0.0
PEDIATRICS	20	25	6	2	5	3	-31.6	22.5	-40.0
PHARMACEUTICAL SCIENCES	453	501	520	618	623	562	4.4	-4.6	-9.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	300	395	532	749	888	1,423	36.5	37.8	60.2
PSYCHIATRY	75	51	32	30	33	31	-16.2	1.7	-6.1
PULMONARY DISEASE	0	0	0	0	0	0	0.0	0.0	0.0
RADIOLOGY	26	44	12	31	23	53	15.3	30.8	130.4
SPEECH PATHOLOGY/AUDIOLOGY ..	469	724	707	809	934	1,014	16.7	12.0	8.6
SURGERY	11	8	11	15	14	1	-38.1	-74.2	-92.9
VETERINARY SCIENCES	97	105	125	130	166	191	14.5	21.2	15.1
CLINICAL MEDICINE, N.E.C.	245	19	30	50	58	55	-25.8	4.9	-5.2
HEALTH RELATED, N.E.C.	102	289	444	450	699	1,009	58.1	49.7	44.3
PSYCHOLOGY	4,188	5,384	5,214	5,312	5,701	5,857	6.9	5.0	2.7
SOCIAL SCIENCES	10,932	14,554	15,243	14,656	16,293	17,680	10.1	9.8	8.5
AGRICULTURAL ECONOMICS	134	173	155	184	191	217	10.1	8.6	13.6
ANTHROPOLOGY	896	1,099	1,046	1,028	1,161	1,196	5.9	7.9	3.0
ECONOMICS (EXCEPT AGRICULTURAL)	1,842	2,002	2,272	2,131	2,144	2,208	3.7	1.8	3.0
GEOGRAPHY	624	626	622	609	609	589	-1.1	-1.7	-3.3
HISTORY AND PHILOSOPHY OF SCIENCE	30	40	45	39	31	28	-1.4	-15.3	-9.7
LINGUISTICS	351	582	529	689	698	1,047	24.4	23.3	50.0
POLITICAL SCIENCE	3,550	5,454	5,998	5,486	6,229	7,357	15.7	15.8	18.1
SOCIOLOGY	2,167	2,430	2,247	1,986	2,241	2,157	-0.1	4.2	-3.7
SOCIOLOGY/ANTHROPOLOGY	326	404	497	437	418	403	4.3	-4.0	-3.6
SOCIAL SCIENCES, N.E.C.	1,012	1,744	1,832	2,067	2,571	2,478	19.6	9.5	-7.6

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-39. PART-TIME GRADUATE STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-79

DIVISION AND STATE	NUMBER						AVERAGE ANNUAL PERCENT CHANGE		
	1974	1975	1976	1977	1978	1979	1974-79	1977-79	1978-79
TOTAL, ALL INSTITUTIONS	71,106	84,786	85,658	91,135	93,531	97,713	6.6	3.5	4.5
NEW ENGLAND	4,682	5,222	5,100	5,509	5,899	6,053	5.3	4.8	2.6
CONNECTICUT	351	541	575	374	435	525	8.4	18.5	20.7
MAINE	98	82	123	91	109	120	4.1	14.8	10.1
MASSACHUSETTS	3,616	3,937	3,807	4,424	4,713	4,766	5.7	3.8	1.1
NEW HAMPSHIRE	92	65	75	91	136	81	-2.5	-5.7	-40.4
RHODE ISLAND	400	498	420	394	400	416	6.8	2.8	4.0
VERMONT	125	99	100	135	106	145	3.0	3.6	36.8
MIDDLE ATLANTIC	20,674	24,161	22,877	24,480	23,476	24,837	3.7	0.7	5.8
NEW JERSEY	4,865	5,554	5,103	5,285	5,305	5,231	1.5	-0.5	-1.4
NEW YORK	11,416	13,828	12,557	14,059	13,146	14,363	4.7	1.1	9.3
PENNSYLVANIA	4,393	4,779	5,217	5,136	5,025	5,243	3.6	1.0	4.3
EAST NORTH CENTRAL	11,303	12,475	12,840	13,744	14,603	15,156	6.0	5.0	3.8
ILLINOIS	2,693	2,752	2,908	3,791	4,077	4,187	9.2	5.1	2.7
INDIANA	1,107	1,199	1,467	1,498	1,436	1,344	4.0	-5.3	-6.4
MICHIGAN	2,133	2,353	2,313	2,347	2,606	3,190	8.4	16.6	22.4
OHIO	3,764	4,377	4,346	4,491	4,809	4,771	4.9	3.1	-0.8
WISCONSIN	1,606	1,794	1,806	1,617	1,675	1,664	6.7	1.4	-0.7
WEST NORTH CENTRAL	4,880	4,848	5,007	5,676	6,178	5,941	4.0	2.3	-3.8
IOWA	1,098	711	842	905	1,069	1,045	-1.0	7.5	-2.2
KANSAS	707	889	879	1,085	1,351	1,329	13.5	10.7	-1.6
MINNESOTA	689	808	735	760	764	734	1.3	-1.7	-3.9
MISSOURI	1,666	1,741	1,815	1,830	1,849	1,800	1.6	-0.8	-2.7
NEBRASKA	397	455	539	783	747	680	11.4	-6.8	-9.0
NORTH DAKOTA	122	111	108	229	225	187	8.9	-9.6	-16.9
SOUTH DAKOTA	201	133	89	84	173	166	-3.8	40.6	-4.0
SOUTH ATLANTIC	10,177	12,142	14,009	15,484	16,490	17,057	10.9	5.0	3.4
DELAWARE	293	318	330	254	249	321	1.8	12.4	28.9
DISTRICT OF COLUMBIA	3,303	3,522	4,371	5,296	5,215	5,098	9.1	-1.9	-2.2
FLORIDA	1,169	2,052	2,243	2,255	2,976	3,444	24.1	23.6	15.7
GEORGIA	968	1,202	1,216	1,060	1,130	1,280	5.7	9.9	12.7
MARYLAND	1,717	1,661	2,167	2,280	2,276	2,115	4.3	-3.7	-7.1
NORTH CAROLINA	845	931	920	1,116	1,136	1,193	7.1	3.4	5.0
SOUTH CAROLINA	402	706	791	896	1,010	981	19.5	4.6	-2.9
VIRGINIA	1,229	1,374	1,497	1,589	1,663	1,778	7.7	5.8	6.9
WEST VIRGINIA	251	376	474	738	829	847	27.5	7.1	2.2
EAST SOUTH CENTRAL	2,478	2,824	3,356	3,545	3,783	3,774	8.8	3.2	-0.2
ALABAMA	543	693	945	1,102	1,070	1,062	14.4	-1.8	-0.7
KENTUCKY	469	554	661	701	708	789	11.0	6.1	11.4
MISSISSIPPI	222	354	390	376	424	369	10.7	-0.9	-13.0
TENNESSEE	1,244	1,223	1,360	1,366	1,581	1,554	4.6	6.7	-1.7
WEST SOUTH CENTRAL	6,250	7,249	7,283	8,226	8,570	8,232	5.7	0.0	-3.9
ARKANSAS	173	162	195	263	312	291	11.0	5.2	-6.7
LOUISIANA	775	730	820	874	991	1,036	6.0	8.9	4.5
OKLAHOMA	1,173	991	907	1,049	1,088	985	-3.4	-3.1	-9.5
TEXAS	4,129	5,366	5,361	6,040	6,179	5,920	7.5	-1.0	-4.2
MOUNTAIN	3,584	4,607	4,360	4,620	4,874	5,649	9.5	10.6	15.9
ARIZONA	1,003	1,419	1,252	1,319	1,335	1,575	9.4	9.3	18.0
COLORADO	1,095	1,514	1,335	1,405	1,410	1,773	10.1	12.3	25.7
IDAHO	163	142	235	400	396	613	30.3	23.8	54.8
MONTANA	23	47	55	46	85	69	24.6	22.5	-18.8
NEVADA	93	98	138	123	109	116	4.5	-2.9	6.4
NEW MEXICO	603	704	667	546	620	564	-1.3	1.6	-9.0
UTAH	526	593	601	701	841	845	9.9	9.8	0.5
WYOMING	78	90	97	80	78	94	3.8	8.4	20.5
PACIFIC	6,822	10,872	10,428	9,314	9,166	10,428	8.9	5.8	13.8
ALASKA	49	42	38	38	28	36	-6.0	-2.7	28.6
CALIFORNIA	5,609	9,374	8,732	7,700	7,260	8,469	8.6	4.9	16.7
HAWAII	107	153	143	170	168	133	4.4	-11.5	-20.8
OREGON	334	576	597	454	556	548	10.4	9.9	-1.4
WASHINGTON	723	727	918	952	1,154	1,242	11.4	14.2	7.6
OUTLYING AREAS	256	386	398	537	492	586	18.0	4.5	19.1

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-43. POSTDOCTORATES IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	16,660	17,034	18,653	19,753	18,589	2.2	-3.0
ENGINEERING	1,029	1,165	1,204	1,230	1,073	0.8	-6.6
AERONAUTICAL	33	38	39	48	28	-3.2	-23.6
AGRICULTURAL	28	38	44	27	33	3.3	10.6
BIOMEDICAL	25	35	51	67	28	2.3	-35.4
CHEMICAL	186	233	233	227	208	2.3	-4.3
CIVIL	78	98	97	134	113	7.7	-8.2
ELECTRICAL	175	169	173	168	135	-5.1	-10.4
ENGINEERING SCIENCE	141	116	97	107	80	-10.7	-13.5
INDUSTRIAL	46	42	18	20	8	-29.5	-36.8
MECHANICAL	77	93	158	146	128	11.3	-6.4
METALLURGICAL/MATERIALS	173	212	214	210	220	4.9	2.4
MINING	10	13	16	14	7	-6.9	-29.3
NUCLEAR	20	41	32	21	20	0.0	-2.4
PETROLEUM	3	1	2	5	6	14.9	9.5
ENGINEERING, N.E.C.	36	36	30	36	59	10.4	28.0
PHYSICAL SCIENCES	3,853	3,925	4,033	4,191	4,028	0.9	-2.0
ASTRONOMY	147	103	131	155	117	-4.5	-13.1
CHEMISTRY	2,365	2,497	2,592	2,643	2,599	1.9	-0.8
PHYSICS	1,337	1,319	1,309	1,392	1,310	-0.4	-3.0
PHYSICAL SCIENCES, N.E.C.	4	6	1	1	2	-12.9	41.4
ENVIRONMENTAL SCIENCES	294	360	403	388	329	2.3	-7.9
ATMOSPHERIC SCIENCES	58	48	63	62	46	-4.5	-13.9
GEOSCIENCES	151	167	254	234	205	6.3	-6.4
OCEANOGRAPHY	63	62	62	69	55	-2.7	-10.7
ENVIRONMENTAL SCIENCES, N.E.C.	22	23	24	23	23	0.9	0.0
MATHEMATICAL SCIENCES	146	166	187	145	203	6.8	18.3
COMPUTER SCIENCE	54	38	60	59	38	-6.8	-19.7
MATHEMATICS AND APPLIED MATHEMATICS	78	101	104	70	142	12.7	42.4
STATISTICS	14	27	23	16	23	10.4	19.9
LIFE SCIENCES	10,572	10,816	12,082	13,011	12,089	2.7	-3.6
AGRICULTURAL SCIENCES	296	291	370	334	239	-4.2	-15.4
BIOLOGICAL SCIENCES	5,245	5,730	6,199	6,414	6,719	5.1	2.3
ANATOMY	218	198	179	223	265	4.0	9.0
BIOCHEMISTRY	1,368	1,349	1,419	1,406	1,503	1.9	3.4
BIOLOGY	711	771	817	833	928	5.5	5.5
BIOMETRY/EPIDEMIOLOGY	21	17	22	50	38	12.6	-12.8
BIOPHYSICS	182	223	241	233	139	-5.2	-22.8
BOTANY	130	138	135	145	137	1.1	-2.8
CELL BIOLOGY	203	210	242	238	773	6.9	9.0
ECOLOGY	3	32	10	11	11	29.7	0.0
ENTOMOLOGY/PARASITOLOGY	125	131	116	113	104	-3.6	-4.1
GENETICS	193	195	200	204	222	2.8	4.3
MICROBIOLOGY	602	674	770	840	847	7.1	0.4
NUTRITION	94	159	167	169	170	12.6	0.3
PATHOLOGY	319	385	471	521	498	9.3	-2.2
PHARMACOLOGY	358	423	518	540	582	10.2	3.8
PHYSIOLOGY	481	515	565	597	672	6.9	6.1
ZOOLOGY	151	193	201	157	175	3.0	5.6
BIOSCIENCES, N.E.C.	86	117	126	134	145	11.0	4.0
HEALTH SCIENCES	5,031	4,795	5,513	6,263	5,131	0.4	-9.5
ANESTHESIOLOGY	102	95	64	75	58	-10.7	-12.1
CARDIOLOGY	517	477	498	510	295	-10.6	-23.9
CLINICAL PHARMACOLOGY	56	59	43	79	43	-5.1	-26.2
DENTISTRY	36	31	102	366	139	31.0	-38.4
ENDOCRINOLOGY	238	156	237	225	142	-9.8	-20.6
GASTROENTEROLOGY	200	184	171	201	103	-12.4	-28.4
HEMATOLOGY	236	202	276	41	151	-8.5	-23.9
NEUROLOGY	213	170	195	255	270	4.9	2.9
NURSING	0	16	1	0	7	0.0	0.0
OBSTETRICS/GYNECOLOGY	199	174	186	172	164	-3.8	-2.4
OPHTHALMOLOGY	92	104	163	186	148	10.0	-10.8
OTORHINOLARYNGOLOGY	63	42	41	30	42	-7.8	18.3
PEDIATRICS	581	492	554	580	624	1.4	3.7
PHARMACEUTICAL SCIENCES	181	200	198	235	241	5.9	1.3
PREVENTIVE MEDICINE/COMMUNITY HEALTH	117	94	160	134	167	7.4	11.6
PSYCHIATRY	271	279	309	357	320	3.4	-5.3
PULMONARY DISEASE	176	164	226	240	146	-3.7	-22.0
RADIOLOGY	123	160	162	175	113	-1.7	-19.6
SPEECH PATHOLOGY/AUDIOLOGY	13	13	16	30	26	14.9	-6.9
SURGERY	315	329	402	449	301	-0.9	-18.1
VETERINARY SCIENCES	59	65	85	102	25	-15.8	-50.5
CLINICAL MEDICINE, N.E.C.	1,234	1,270	1,374	1,555	1,461	3.4	-3.1
HEALTH RELATED, N.E.C.	9	19	50	46	145	74.4	77.5
PSYCHOLOGY	342	369	397	394	456	5.9	7.6
SOCIAL SCIENCES	424	293	347	394	411	-0.6	2.1
AGRICULTURAL ECONOMICS	51	27	30	28	6	-34.8	-53.7
ANTHROPOLOGY	26	33	45	53	41	9.5	-12.0
ECONOMICS (EXCEPT AGRICULTURAL)	68	44	57	66	98	7.6	21.9
GEOGRAPHY	22	7	12	9	6	-22.4	-18.4
HISTORY AND PHILOSOPHY OF SCIENCE	6	6	12	22	11	12.9	-29.3
LINGUISTICS	49	25	35	30	39	-4.5	14.0
POLITICAL SCIENCE	45	20	31	32	36	-4.4	8.1
SOCIOLOGY	123	84	114	100	121	-0.3	10.0
SOCIOLOGY/ANTHROPOLOGY	6	2	3	4	4	-7.8	0.0
SOCIAL SCIENCES, N.E.C.	28	45	8	50	49	11.8	-1.0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-41. POSTDOCTORATES IN PUBLIC DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	9,091	9,361	10,072	10,519	10,268	2.5	-1.2
ENGINEERING	573	612	598	637	546	-1.0	-7.4
AERONAUTICAL	9	17	18	25	11	4.1	-33.7
AGRICULTURAL	20	31	38	26	33	10.5	12.7
BIOMEDICAL	14	12	11	8	3	-26.5	-38.8
CHEMICAL	133	157	146	158	145	1.7	-4.2
CIVIL	53	57	48	68	44	-3.7	-19.6
ELECTRICAL	91	94	81	89	50	-11.3	-25.0
ENGINEERING SCIENCE	54	37	27	39	30	-11.1	-12.3
INDUSTRIAL	40	24	9	11	6	-31.6	-26.1
MECHANICAL	43	41	75	71	56	5.4	-11.2
METALLURGICAL/MATERIALS	83	94	108	105	102	4.2	-1.4
MINING	4	5	9	7	6	8.4	-7.4
NUCLEAR	14	23	17	12	16	2.7	15.5
PETROLEUM	2	0	0	4	5	20.1	11.8
ENGINEERING, N.E.C.	13	20	11	14	39	24.6	66.9
PHYSICAL SCIENCES	2,304	2,334	2,372	2,434	2,405	0.9	-0.6
ASTRONOMY	58	54	64	81	67	2.9	-9.1
CHEMISTRY	1,466	1,529	1,563	1,598	1,611	1.9	0.4
PHYSICS	776	745	744	754	725	-1.4	-1.9
PHYSICAL SCIENCES, N.E.C.	4	6	1	1	2	-12.9	41.4
ENVIRONMENTAL SCIENCES	167	179	217	249	205	4.2	-9.3
ATMOSPHERIC SCIENCES	40	38	49	54	27	-7.6	-29.3
GEOSCIENCES	74	92	119	128	117	9.6	-4.4
OCEANOGRAPHY	50	44	45	58	46	-1.7	-10.9
ENVIRONMENTAL SCIENCES, N.E.C.	3	5	4	9	15	38.0	29.1
MATHEMATICAL SCIENCES	61	95	80	58	95	9.3	28.0
COMPUTER SCIENCE	11	16	31	27	20	12.7	-13.9
MATHEMATICS AND APPLIED MATHEMATICS	39	55	31	17	56	7.5	81.5
STATISTICS	11	24	18	14	19	11.6	16.5
LIFE SCIENCES	5,615	5,818	6,460	6,756	6,575	3.2	-1.3
AGRICULTURAL SCIENCES	285	275	348	321	228	-4.4	-15.7
BIOLOGICAL SCIENCES	2,920	3,147	3,335	3,482	3,855	5.7	5.2
ANATOMY	127	120	94	123	143	2.4	7.8
BIOCHEMISTRY	742	745	770	753	869	3.2	7.4
BIOLOGY	267	283	309	348	378	7.2	4.2
BIOMETRY/EPIDEMIOLOGY	9	10	15	33	23	20.6	-16.5
BIOPHYSICS	74	79	83	69	56	-5.4	-9.9
BOTANY	114	122	120	130	123	1.5	-2.7
CELL BIOLOGY	95	88	108	104	128	6.1	10.9
ECOLOGY	3	8	8	9	11	29.7	10.6
ENTOMOLOGY/PARASITOLOGY	124	128	106	98	93	-5.6	-2.6
GENETICS	118	126	104	110	123	0.8	5.7
MICROBIOLOGY	390	407	461	511	554	7.3	4.1
NUTRITION	51	59	51	64	83	10.2	13.9
PATHOLOGY	144	166	209	230	262	12.7	6.7
PHARMACOLOGY	196	244	273	286	324	10.6	6.4
PHYSIOLOGY	263	301	345	377	432	10.4	7.0
ZOOLOGY	136	171	180	138	154	2.5	5.6
BIOSCIENCES, N.E.C.	67	90	99	99	99	8.1	0.0
HEALTH SCIENCES	2,410	2,396	2,777	2,953	2,492	0.7	-8.1
ANESTHESIOLOGY	66	54	29	38	26	-17.0	-17.3
CARDIOLOGY	243	262	261	267	160	-8.6	-22.6
CLINICAL PHARMACOLOGY	30	36	16	50	36	3.7	-15.1
DENTISTRY	24	23	79	161	101	33.3	-20.8
ENDOCRINOLOGY	126	84	140	113	72	-10.6	-20.2
GASTROENTEROLOGY	102	103	98	104	50	-13.3	-30.7
HEMATOLOGY	112	106	117	107	60	-11.7	-25.1
NEUROLOGY	56	49	57	89	114	15.3	13.2
NURSING	0	0	0	0	7	0.0	0.0
OBSTETRICS/GYNECOLOGY	79	89	97	84	91	2.9	4.1
OPHTHALMOLOGY	35	41	53	49	61	11.8	11.6
OTORHINOLARYNGOLOGY	22	28	19	19	30	6.4	25.7
PEDIATRICS	278	234	245	228	238	-3.1	2.2
PHARMACEUTICAL SCIENCES	173	193	188	218	233	6.1	3.4
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	62	67	121	74	71	2.7	-2.0
PSYCHIATRY	161	135	142	121	77	-13.7	-20.2
PULMONARY DISEASE	109	85	112	119	58	-11.9	-30.2
RADIOLOGY	29	48	77	58	44	8.7	-12.9
SPEECH PATHOLOGY/AUDIOLOGY ..	13	13	15	30	19	7.9	-20.4
SURGERY	137	92	155	198	133	-0.6	-18.0
VETERINARY SCIENCES	43	37	57	71	18	-16.0	-49.6
CLINICAL MEDICINE, N.E.C.	509	609	601	747	711	6.9	-2.4
HEALTH RELATED, N.E.C.	1	8	18	8	82	141.4	220.2
PSYCHOLOGY	129	153	154	149	208	10.0	18.2
SOCIAL SCIENCES	242	170	191	236	234	-0.7	-0.4
AGRICULTURAL ECONOMICS	44	26	28	28	6	-32.9	-93.7
ANTHROPOLOGY	13	23	28	40	28	16.6	-18.3
ECONOMICS (EXCEPT AGRICULTURAL)	32	23	22	18	40	4.6	49.1
GEOGRAPHY	16	6	8	8	5	-20.8	-20.9
HISTORY AND PHILOSOPHY OF SCIENCE	1	0	1	4	2	14.9	-29.0
LINGUISTICS	39	11	23	23	18	-14.3	-11.5
POLITICAL SCIENCE	38	11	19	19	14	-18.1	-14.2
SOCIOLOGY	42	34	52	44	71	11.1	27.0
SOCIOLOGY/ANTHROPOLOGY	4	1	3	4	2	-12.9	-29.3
SOCIAL SCIENCES, N.E.C.	13	35	7	48	48	29.9	0.0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-42. POSTDOCTORATES IN PRIVATE DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	7,569	7,673	8,581	9,234	8,321	1.9	-5.1
ENGINEERING	456	553	606	593	527	2.6	-5.7
AERONAUTICAL	24	21	21	23	17	-6.7	-14.0
AGRICULTURAL	8	7	6	1	0	-100.0	-100.0
BIOLOGICAL	11	23	40	59	25	17.8	-34.9
CHEMICAL	53	76	87	69	63	3.5	-4.4
CIVIL	25	41	49	66	69	22.5	2.2
ELECTRICAL	84	75	92	79	85	0.2	3.7
ENGINEERING SCIENCE	87	79	70	68	50	-16.5	-14.3
INDUSTRIAL	6	18	9	9	2	-19.7	-52.9
MECHANICAL	32	52	83	75	72	17.6	-2.0
METALLURGICAL/MATERIALS	90	118	106	105	118	5.6	6.0
MINING	6	8	7	7	1	-30.1	-62.2
NUCLEAR	6	18	15	9	4	-7.8	-33.3
PETROLEUM	1	1	2	1	1	0.0	0.0
ENGINEERING, N.E.C.	23	16	19	22	20	-2.8	-4.7
PHYSICAL SCIENCES	1,549	1,591	1,661	1,757	1,623	0.9	-3.9
ASTRONOMY	89	49	67	74	50	-10.9	-17.8
CHEMISTRY	899	968	1,029	1,045	988	1.9	-2.8
PHYSICS	561	574	565	638	585	0.8	-4.2
PHYSICAL SCIENCES, N.E.C.	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	127	121	186	139	124	-0.5	-5.5
ATMOSPHERIC SCIENCES	18	10	14	8	19	1.1	54.1
GEOSCIENCES	77	75	135	106	38	2.7	-8.9
OCEANOGRAPHY	13	18	17	11	9	-7.1	-9.5
ENVIRONMENTAL SCIENCES, N.E.C.	19	18	20	14	8	-15.9	-24.4
MATHEMATICAL SCIENCES	85	71	107	87	108	4.9	11.4
COMPUTER SCIENCE	43	22	29	32	18	-16.0	-25.0
MATHEMATICS AND APPLIED MATHEMATICS	39	46	73	53	86	17.1	27.4
STATISTICS	3	3	5	2	4	5.9	41.4
LIFE SCIENCES	4,957	4,998	5,622	6,255	5,514	2.2	-6.1
AGRICULTURAL SCIENCES	11	16	22	13	11	0.0	-8.0
BIOLOGICAL SCIENCES	2,325	2,583	2,864	2,932	2,864	4.3	-1.2
ANATOMY	91	78	85	100	122	6.0	10.5
BIOCHEMISTRY	626	604	649	653	634	0.3	-1.5
BIOLOGY	444	488	508	485	550	4.4	6.5
BIOMETRY/EPIDEMIOLOGY	12	7	7	17	15	4.6	-6.1
BIOPHYSICS	108	144	158	164	83	-5.1	-28.9
BOTANY	16	16	15	15	14	-2.6	-3.4
CELL BIOLOGY	108	122	134	134	195	7.5	7.6
ECOLOGY	0	24	2	2	0	00	-100.0
ENTOMOLOGY/PARASITOLOGY	1	3	10	15	11	61.5	-14.4
GENETICS	75	69	96	94	99	5.7	2.6
MICROBIOLOGY	212	267	309	329	293	6.7	-5.6
NUTRITION	43	100	116	105	87	15.1	-9.0
PATHOLOGY	175	219	262	291	236	6.2	-9.9
PHARMACOLOGY	162	179	245	254	258	9.8	0.8
PHYSIOLOGY	218	214	220	220	240	1.9	4.4
ZOOLOGY	15	22	21	19	21	7.0	5.1
BIOLOGICAL SCIENCES, N.E.C.	19	27	27	35	46	19.3	14.6
HEALTH SCIENCES	2,621	2,399	2,736	3,310	2,639	0.1	-10.7
ANESTHESIOLOGY	36	41	35	37	32	-2.3	-7.0
CARDIOLOGY	274	215	237	243	135	-13.2	-25.5
CLINICAL PHARMACOLOGY	26	23	27	29	7	-23.1	-50.9
DENTISTRY	12	8	23	205	38	25.9	-56.9
ENDOCRINOLOGY	112	72	97	112	70	-9.0	-20.9
GASTROENTEROLOGY	98	81	73	97	53	-11.6	-26.1
HEMATOLOGY	124	96	159	154	91	-6.0	-23.1
NEUROLOGY	157	121	138	166	156	-0.1	-3.1
NURSING	0	16	1	0	0	00	00
OBSTETRICS/GYNECOLOGY	120	85	89	88	73	-9.5	-8.9
OPHTHALMOLOGY	57	63	110	137	87	8.8	-20.3
OTORHINOLARYNGOLOGY	41	14	22	11	12	-21.8	4.4
PEDIATRICS	303	258	309	352	386	5.0	4.7
PHARMACEUTICAL SCIENCES	8	7	10	17	8	0.0	-31.4
PREVENTIVE MEDICINE/COMMUNITY HEALTH	55	27	39	60	96	11.8	26.5
PSYCHIATRY	110	144	167	236	243	17.2	1.5
PULMONARY DISEASE	67	79	114	121	88	5.6	-14.7
RADIOLOGY	94	112	85	117	69	-6.0	-23.2
SPEECH PATHOLOGY/AUDIOLOGY ..	0	0	1	0	7	00	00
SURGERY	178	237	247	251	168	-1.1	-18.2
VETERINARY SCIENCES	16	28	28	31	7	-15.2	-52.5
CLINICAL MEDICINE, N.E.C.	725	661	693	808	750	0.7	-3.7
HEALTH RELATED, N.E.C.	8	11	32	38	63	51.1	28.8
PSYCHOLOGY	213	216	243	245	248	3.1	0.6
SOCIAL SCIENCES	182	123	156	158	177	-0.6	5.8
AGRICULTURAL ECONOMICS	7	1	2	0	0	-100.0	00
ANTHROPOLOGY	13	10	17	13	13	0.0	0.0
ECONOMICS (EXCEPT AGRICULTURAL)	36	21	35	48	98	10.0	9.9
GEOGRAPHY	6	1	4	1	1	-30.1	0.0
HISTORY AND PHILOSOPHY OF SCIENCE	5	6	11	18	9	12.5	-29.3
LINGUISTICS	10	14	12	7	21	16.8	73.2
POLITICAL SCIENCE	7	9	12	13	22	29.7	30.1
SOCIOLOGY	81	90	62	96	90	-9.2	-9.5
SOCIOLOGY/ANTHROPOLOGY	2	1	0	0	2	0.0	00
SOCIAL SCIENCES, N.E.C.	15	10	1	2	1	-61.8	-29.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-43. POSTDOCTORATES SUPPORTED BY FEDERAL SOURCES IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	11,797	12,019	13,166	13,454	13,823	3.2	1.4
ENGINEERING	705	807	857	925	771	1.8	-8.7
AERONAUTICAL	19	26	33	39	23	3.9	-23.2
AGRICULTURAL	8	20	23	15	18	17.6	9.5
BIOMEDICAL	22	26	34	41	27	4.2	-18.8
CHEMICAL	117	136	160	173	144	4.2	-8.8
CIVIL	49	55	71	90	78	9.7	-6.9
ELECTRICAL	121	128	128	137	93	-5.1	-17.6
ENGINEERING SCIENCE	130	99	85	91	75	-10.4	-9.2
INDUSTRIAL	14	24	9	8	4	-22.2	-29.3
MECHANICAL	47	66	102	109	96	15.4	-6.2
METALLURGICAL/MATERIALS	136	161	159	171	151	2.1	-6.0
MINING	10	11	15	15	6	-9.7	-32.1
NUCLEAR	9	27	17	10	6	-7.8	-22.5
PETROLEUM	1	0	2	4	6	43.1	22.5
ENGINEERING, N.E.C.	22	28	19	24	44	14.9	35.4
PHYSICAL SCIENCES	3,060	3,114	3,272	3,411	3,326	1.7	-1.3
ASTRONOMY	114	76	97	115	89	-4.8	-12.0
CHEMISTRY	1,780	1,874	2,024	2,098	2,142	3.8	1.0
PHYSICS	1,162	1,164	1,151	1,198	1,095	-1.2	-4.4
PHYSICAL SCIENCES, N.E.C.	4	0	0	0	0	-100.0	0.0
ENVIRONMENTAL SCIENCES	237	227	308	316	263	2.1	-8.8
ATMOSPHERIC SCIENCES	53	42	60	59	44	-3.7	-13.6
GEOSCIENCES	112	126	193	196	163	7.8	-8.8
OCEANOGRAPHY	56	42	40	49	41	-6.0	-8.5
ENVIRONMENTAL SCIENCES, N.E.C.	16	17	15	12	15	-1.3	11.8
MATHEMATICAL SCIENCES	94	70	89	91	106	2.4	7.9
COMPUTER SCIENCE	39	26	39	51	26	-7.8	-28.6
MATHEMATICS AND APPLIED MATHEMATICS	46	32	44	35	69	8.4	40.4
STATISTICS	9	12	6	5	11	4.1	48.3
LIFE SCIENCES	7,302	7,436	8,223	8,290	8,835	3.9	3.2
AGRICULTURAL SCIENCES	180	134	207	183	137	-3.1	-13.5
BIOLOGICAL SCIENCES	3,945	4,371	4,853	4,873	5,378	6.4	5.1
ANATOMY	149	150	134	159	207	6.8	14.1
BIOCHEMISTRY	1,059	1,101	1,145	1,146	1,198	2.5	2.2
BIOLOGY	502	527	655	610	719	7.4	8.6
BIOMETRY/EPIDEMIOLOGY	12	12	16	32	29	19.3	-4.8
BIOPHYSICS	151	190	212	211	118	-4.8	-25.2
BOTANY	91	67	71	93	89	-0.4	-2.2
CELL BIOLOGY	166	178	205	178	208	4.6	8.1
ECOLOGY	2	28	8	9	11	40.6	10.6
ENTOMOLOGY/PARASITOLOGY	83	67	85	78	78	-1.2	0.0
GENETICS	152	151	155	159	196	5.2	11.0
MICROBIOLOGY	448	501	588	622	690	9.0	5.3
NUTRITION	65	101	99	116	130	14.9	5.9
PATHOLOGY	237	287	358	367	415	11.9	6.3
PHARMACOLOGY	285	361	423	429	479	10.9	5.7
PHYSIOLOGY	371	411	465	466	549	8.2	8.5
ZOOLOGY	123	167	150	107	140	2.6	14.4
BIOSCIENCES, N.E.C.	49	72	84	91	122	20.0	15.8
HEALTH SCIENCES	3,197	2,931	3,163	3,234	3,320	0.8	1.3
ANESTHESIOLOGY	46	37	43	33	25	-11.5	-13.0
CARDIOLOGY	333	287	266	238	164	-13.2	-17.0
CLINICAL PHARMACOLOGY	35	43	32	53	31	-3.4	-23.5
DENTISTRY	9	11	45	62	48	39.8	-12.0
ENDOCRINOLOGY	149	100	146	127	95	-8.6	-13.5
GASTROENTEROLOGY	141	101	88	96	41	-21.9	-34.6
HEMATOLOGY	156	144	180	172	111	-6.6	-19.7
NEUROLOGY	157	132	127	149	189	3.8	12.6
NURSING	0	17	1	0	6	0.0	0.0
OBSTETRICS/GYNECOLOGY	94	83	80	78	76	-4.2	-1.3
OPHTHALMOLOGY	50	64	108	132	103	15.6	-11.7
OTORHINOLARYNGOLOGY	47	31	17	17	28	-9.8	28.3
PEDIATRICS	364	298	322	290	382	1.0	14.8
PHARMACEUTICAL SCIENCES	155	174	163	171	199	5.1	7.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	75	74	103	92	124	10.6	16.1
PSYCHIATRY	212	196	195	229	145	2.9	3.4
PULMONARY DISEASE	101	83	109	105	85	-3.4	-10.0
RADIOLOGY	79	115	140	100	77	-0.5	-12.3
SPEECH PATHOLOGY/AUDIOLOGY	13	9	14	17	24	13.0	18.8
SURGERY	188	184	208	212	195	0.7	-4.1
VETERINARY SCIENCES	43	45	43	57	15	-19.0	-48.7
CLINICAL MEDICINE, N.E.C.	742	685	690	761	945	5.0	11.4
HEALTH RELATED, N.E.C.	8	19	43	43	112	69.5	61.4
PSYCHOLOGY	188	219	254	235	284	8.6	9.9
SOCIAL SCIENCES	211	146	163	186	238	2.4	13.1
AGRICULTURAL ECONOMICS	35	20	23	7	3	-38.8	-34.5
ANTHROPOLOGY	17	19	27	24	28	10.5	8.0
ECONOMICS (EXCEPT AGRICULTURAL)	38	15	14	13	35	-1.6	64.1
GEOGRAPHY	7	2	1	4	3	-15.6	-13.4
HISTORY AND PHILOSOPHY OF SCIENCE	1	1	1	6	2	14.9	-42.3
LINGUISTICS	13	12	11	7	13	0.0	36.3
POLITICAL SCIENCE	12	5	11	14	20	10.8	19.5
SOCIOLOGY	72	90	67	73	95	5.7	14.1
SOCIOLOGY/ANTHROPOLOGY	2	0	0	1	4	14.9	100.0
SOCIAL SCIENCES, N.E.C.	14	22	8	37	35	20.1	-2.7

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE B-44. POSTDOCTORATES SUPPORTED BY NON-FEDERAL SOURCES IN DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL FIELDS	4,863	5,015	5,487	6,299	4,766	-0.4	-13.0
ENGINEERING	324	358	347	305	302	-1.4	-0.5
AERONAUTICAL	14	12	6	9	5	-18.6	-25.5
AGRICULTURAL	20	18	21	12	15	-5.6	11.8
BIOMEDICAL	3	9	17	26	1	-19.7	-80.4
CHEMICAL	69	97	73	54	64	-1.5	8.9
CIVIL	29	43	26	44	35	3.8	-10.8
ELECTRICAL	54	41	45	31	42	-4.9	16.4
ENGINEERING SCIENCE	11	17	12	16	5	-14.6	-44.1
INDUSTRIAL	32	18	9	12	4	-34.0	-42.3
MECHANICAL	28	27	56	37	32	2.7	-7.0
METALLURGICAL/MATERIALS	37	51	53	39	69	13.3	33.0
MINING	0	2	1	1	1	0.0	0.0
NUCLEAR	11	14	15	11	14	4.9	12.8
PETROLEUM	2	1	0	1	0	-100.0	-100.0
ENGINEERING, N.E.C.	14	8	11	12	15	1.4	11.8
PHYSICAL SCIENCES	793	811	761	780	702	-2.4	-5.1
ASTRONOMY	33	27	34	40	28	-3.2	-16.3
CHEMISTRY	585	623	568	545	457	-4.8	-8.4
PHYSICS	175	155	158	194	215	4.2	5.3
PHYSICAL SCIENCES, N.E.C.	0	6	1	1	2	0.0	41.4
ENVIRONMENTAL SCIENCES	57	73	95	72	66	3.0	-4.3
ATMOSPHERIC SCIENCES	5	6	3	3	2	-16.7	-18.4
GEOSCIENCES	39	41	61	38	42	1.5	5.1
OCEANOGRAPHY	7	20	22	20	14	14.9	-16.3
ENVIRONMENTAL SCIENCES, N.E.C.	6	6	9	11	8	5.9	-14.7
MATHEMATICAL SCIENCES	52	96	98	54	97	13.3	34.0
COMPUTER SCIENCE	15	12	21	8	12	-4.4	22.5
MATHEMATICS AND APPLIED MATHEMATICS	32	69	60	35	73	17.9	44.4
STATISTICS	5	15	17	11	12	19.1	4.4
LIFE SCIENCES	3,270	3,380	3,859	4,721	3,254	-0.1	-17.0
AGRICULTURAL SCIENCES	136	157	163	151	102	-5.6	-17.8
BIOLOGICAL SCIENCES	1,300	1,359	1,346	1,541	1,341	0.6	-6.7
ANATOMY	69	48	45	64	58	-3.4	-4.8
BIOCHEMISTRY	309	248	274	26	305	-0.3	8.3
BIOLOGY	209	244	162	223	209	0.0	-3.2
BIOMETRY/EPIDEMIOLOGY	9	5	6	18	9	0.0	-29.3
BIOPHYSICS	31	33	29	22	21	-7.5	-2.3
BOTANY	39	71	64	52	48	4.2	-3.9
CELL BIOLOGY	37	32	37	60	75	15.2	11.8
ECOLOGY	1	4	2	2	0	-100.0	-100.0
ENTOMOLOGY/PARASITOLOGY	42	64	31	35	26	-9.1	-13.8
GENETICS	41	44	45	45	26	-8.7	-24.0
MICROBIOLOGY	154	173	182	218	157	0.4	-15.1
NUTRITION	29	58	68	53	40	6.6	-13.1
PATHOLOGY	82	98	113	154	83	0.2	-26.6
PHARMACOLOGY	73	62	95	111	103	7.1	-3.7
PHYSIOLOGY	110	104	100	131	123	2.3	-3.1
ZOOLOGY	28	26	51	50	35	4.6	-16.3
BIOSCIENCES, N.E.C.	37	45	42	43	23	-9.1	-26.9
HEALTH SCIENCES	1,834	1,864	2,350	3,029	1,811	-0.3	-22.7
ANESTHESIOLOGY	56	21	42	42	33	-10.0	-11.4
CARDIOLOGY	184	190	232	272	131	-6.6	-30.6
CLINICAL PHARMACOLOGY	21	16	11	26	12	-10.6	-32.1
DENTISTRY	27	20	57	304	91	27.5	-45.3
ENDOCRINOLOGY	89	56	91	98	47	-12.0	-30.7
GASTROENTEROLOGY	59	83	83	105	62	1.0	-23.2
HEMATOLOGY	80	58	96	89	40	-12.9	-33.0
NEUROLOGY	56	38	68	106	81	7.7	-12.6
NURSING	0	0	0	0	1	0.0	0.0
OBSTETRICS/GYNECOLOGY	105	91	106	94	88	-3.5	-3.2
OPHTHALMOLOGY	42	40	55	54	45	1.4	-8.7
OTORHINOLARYNGOLOGY	16	11	24	13	14	-2.6	3.6
PEDIATRICS	217	194	232	290	242	2.2	-8.6
PHARMACEUTICAL SCIENCES	26	26	35	64	42	10.1	-19.0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	42	20	57	42	43	0.5	1.2
PSYCHIATRY	59	83	114	128	75	4.9	-23.5
PULMONARY DISEASE	75	81	117	135	61	-4.0	-32.8
RADIOLOGY	44	45	22	75	36	-3.9	-30.7
SPEECH PATHOLOGY/AUDIOLOGY	0	4	2	13	2	0.0	-60.8
SURGERY	127	145	194	237	106	-3.6	-33.1
VETERINARY SCIENCES	16	20	42	45	10	-9.0	-52.9
CLINICAL MEDICINE, N.E.C.	602	585	684	794	516	1.0	-19.4
HEALTH RELATED, N.E.C.	1	0	7	3	33	101.2	231.7
PSYCHOLOGY	154	150	143	159	172	2.2	4.0
SOCIAL SCIENCES	213	147	184	208	173	-4.1	-8.8
AGRICULTURAL ECONOMICS	16	7	7	21	3	-28.5	-62.2
ANTHROPOLOGY	9	14	18	29	13	7.6	-33.0
ECONOMICS (EXCEPT AGRICULTURAL)	30	29	43	53	63	16.0	9.0
GEOGRAPHY	15	5	11	5	3	-27.5	-22.5
HISTORY AND PHILOSOPHY OF SCIENCE	5	5	11	16	9	12.5	-29.0
LINGUISTICS	36	13	24	23	26	-6.3	6.3
POLITICAL SCIENCE	33	15	20	18	18	-13.9	-9.7
SOCIOLOGY	51	34	47	27	26	-12.6	-1.9
SOCIOLOGY/ANTHROPOLOGY	4	2	3	3	0	-100.0	-100.0
SOCIAL SCIENCES, N.E.C.	14	23	0	13	14	0.0	3.0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-45. POSTDOCTORATES IN DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-79

DIVISION AND STATE	NUMBER					AVERAGE ANNUAL PERCENT CHANGE	
	1974	1975	1976	1977	1979	1974-79	1977-79
TOTAL, ALL INSTITUTIONS	16,660	17,034	18,653	19,753	18,589	2.2	-3.0
NEW ENGLAND	2,086	2,178	2,559	3,087	2,654	4.9	-7.3
CONNECTICUT	495	537	600	744	543	1.9	-14.6
MAINE	8	7	17	20	9	2.4	-32.9
MASSACHUSETTS	1,435	1,462	1,742	2,121	1,928	6.1	-4.7
NEW HAMPSHIRE	43	44	52	49	34	-4.6	-16.7
RHODE ISLAND	76	75	90	98	85	2.3	-6.9
VERMONT	29	53	58	55	55	13.7	0.0
MIDDLE ATLANTIC	3,250	3,182	3,528	3,622	3,453	1.2	-2.4
NEW JERSEY	230	281	346	378	312	6.3	-9.1
NEW YORK	2,217	2,063	2,214	2,327	2,291	0.7	-0.8
PENNSYLVANIA	803	838	968	917	850	1.1	-3.7
EAST NORTH CENTRAL	2,412	2,559	2,690	2,731	2,528	0.9	-3.8
ILLINOIS	779	899	927	987	804	0.6	-9.7
INDIANA	339	327	357	332	387	2.7	8.0
MICHIGAN	419	420	413	407	370	-2.5	-4.7
OHIO	432	459	573	554	493	2.7	-5.7
WISCONSIN	443	454	483	451	474	1.4	2.5
WEST NORTH CENTRAL	1,178	1,161	1,221	1,296	1,242	1.1	-2.1
IOWA	207	218	233	248	262	4.8	2.8
KANSAS	116	166	143	158	159	6.5	0.3
MINNESOTA	328	326	323	316	309	-1.2	-1.1
MISSOURI	424	387	450	470	424	0.0	-5.0
NEBRASKA	70	34	46	77	70	0.0	-4.7
SOUTH DAKOTA	14	15	14	23	17	4.0	-14.0
SOUTH DAKOTA	19	15	12	4	1	-44.5	-50.0
SOUTH ATLANTIC	1,965	2,085	2,209	2,230	2,045	0.8	-4.2
DELAWARE	28	27	51	51	48	11.4	-3.0
DISTRICT OF COLUMBIA	142	124	131	196	107	-5.5	-26.1
FLORIDA	277	320	319	327	247	-2.3	-13.1
GEORGIA	247	259	282	198	183	-5.8	-3.9
MARYLAND	497	485	461	536	502	0.2	-3.2
NORTH CAROLINA	512	557	567	528	576	2.4	4.4
SOUTH CAROLINA	45	78	85	64	95	16.1	21.8
VIRGINIA	207	217	295	303	253	4.1	-8.6
WEST VIRGINIA	10	18	18	27	34	27.7	12.2
EAST SOUTH CENTRAL	472	525	688	706	869	13.0	10.9
ALABAMA	105	133	207	251	222	16.2	-6.0
KENTUCKY	134	119	153	96	90	-7.7	-3.2
MISSISSIPPI	39	43	59	64	244	44.3	95.3
TENNESSEE	194	230	269	295	313	10.0	3.0
WEST SOUTH CENTRAL	1,237	1,193	1,081	1,303	1,308	1.1	0.2
ARKANSAS	45	59	29	9	15	-19.7	29.1
LOUISIANA	210	126	160	215	142	-7.5	-18.7
OKLAHOMA	93	108	96	96	76	-4.0	-11.0
TEXAS	889	900	796	983	1,075	3.9	4.6
MOUNTAIN	685	776	782	952	728	1.2	-12.6
ARIZONA	142	167	162	204	202	7.3	-0.5
COLORADO	273	285	297	394	282	0.7	-15.4
IDAHO	16	34	42	47	12	-5.6	-49.5
MONTANA	30	28	29	47	38	4.0	-10.1
NEVADA	9	6	5	6	14	9.2	52.8
NEW MEXICO	35	40	37	47	46	5.6	-1.1
UTAH	166	203	196	196	125	-5.5	-20.1
WYOMING	14	13	14	11	9	-8.5	-9.5
PACIFIC	3,358	3,334	3,870	3,784	3,748	2.2	-0.5
ALASKA	6	1	8	8	3	-12.9	-38.8
CALIFORNIA	2,664	2,796	3,072	3,121	3,120	3.2	0.0
HAWAII	41	50	63	36	76	13.1	45.3
OREGON	192	185	185	178	148	-5.1	-8.8
WASHINGTON	455	302	542	441	401	-2.5	-4.6
OUTLYING AREAS	17	41	23	42	14	-3.8	-42.3

* LESS THAN 0.05 PERCENT CHANGE
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-1. GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	44,254	49,103	53,497	6.5	11.0	4.4
ENGINEERING	3,795	4,528	5,881	15.7	19.3	14.0
AERONAUTICAL	28	22	5	-43.7	-21.4	-52.3
AGRICULTURAL	3	8	8	38.7	166.7	0.0
BIOLOGICAL	5	16	45	108.0	220.0	67.7
CHEMICAL	140	138	190	10.7	-1.4	17.3
CIVIL	616	755	769	7.7	22.6	0.9
ELECTRICAL	621	990	974	16.2	59.4	-0.8
ENGINEERING SCIENCE	64	185	269	61.4	189.1	20.6
INDUSTRIAL	499	551	420	-5.6	10.4	-12.7
MECHANICAL	383	502	645	19.0	31.1	13.4
METALLURGICAL/MATERIALS	42	64	94	30.8	52.4	21.2
Mining	7	2	1	-47.7	-71.4	-29.3
NUCLEAR	12	19	4	-30.7	58.3	-54.1
PETROLEUM	0	0	1	..	..	..
ENGINEERING, N.E.C.	1,375	1,276	2,456	21.3	-7.2	38.7
PHYSICAL SCIENCES	1,591	1,780	1,724	2.7	11.9	-1.6
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	1,121	1,256	1,200	2.3	12.0	-2.3
PHYSICS	385	375	356	-2.6	-2.6	-2.6
PHYSICAL SCIENCES, N.E.C.	85	149	168	25.5	75.3	6.2
ENVIRONMENTAL SCIENCES	938	1,044	1,016	2.7	11.3	-1.4
ATMOSPHERIC SCIENCES	0	10	12	..	..	9.5
GEOSCIENCES	418	456	505	6.5	9.1	5.2
OCEANOGRAPHY	37	44	38	0.9	18.9	-7.1
ENVIRONMENTAL SCIENCES, N.E.C.	483	534	461	-1.5	10.6	-7.1
MATHEMATICAL SCIENCES	3,469	3,449	3,786	3.0	-0.6	4.8
COMPUTER SCIENCE	1,195	1,410	1,925	17.2	18.0	16.8
MATHEMATICS AND APPLIED MATHEMATICS	2,079	1,844	1,669	-7.1	-11.3	-4.9
STATISTICS	195	195	192	-0.5	0.0	-0.8
LIFE SCIENCES	10,593	11,514	12,252	5.0	8.7	3.2
AGRICULTURAL SCIENCES	943	920	1,102	5.3	-2.4	9.4
BIOLOGICAL SCIENCES	5,713	5,994	5,865	0.9	4.9	-1.1
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	138	114	118	-5.1	-17.4	1.7
BIOLOGY	4,972	5,002	4,929	-0.3	0.6	-0.7
BIOLOGY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	77	26	26	-30.4	-66.2	0.0
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	51	52	48	-2.0	2.0	-3.9
MICROBIOLOGY	243	307	213	-4.3	26.3	-16.7
NUTRITION	100	200	228	31.6	100.0	6.8
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	13	24	..	..	35.9
PHYSIOLOGY	0	3	2	..	..	-28.4
ZOOLOGY	59	46	37	-14.4	-22.0	-10.3
BIOSCIENCES, N.E.C.	73	231	240	48.7	216.4	1.9
HEALTH SCIENCES	3,937	4,600	5,285	10.3	16.8	7.2
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	807	918	1,195	25.3	31.2	14.1
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	6	2	0	-100.0	-66.7	-100.0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	18	13	..	..	-15.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	61	95	129	28.4	55.7	16.5
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	1,292	1,480	1,679	9.1	14.6	6.5
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	28	21	15	-18.8	-25.0	-15.5
CLINICAL MEDICINE, N.E.C.	47	102	114	36.3	117.0	8.0
HEALTH RELATED, N.E.C.	1,896	1,984	2,135	4.0	3.6	4.3
PSYCHOLOGY	9,009	10,224	11,984	10.0	13.5	8.3
SOCIAL SCIENCES	14,859	16,564	16,854	4.3	11.5	0.9
AGRICULTURAL ECONOMICS	17	21	23	10.6	23.5	4.7
ANTHROPOLOGY	416	540	432	1.3	29.8	-10.6
ECONOMICS (EXCEPT AGRICULTURAL)	880	886	844	-1.4	0.7	-2.4
GEOGRAPHY	681	524	473	-11.4	-23.1	-5.0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	524	476	362	-11.6	-9.2	-12.8
POLITICAL SCIENCE	6,106	7,238	7,494	7.1	18.5	1.8
SOCIOLOGY	1,575	1,609	1,685	2.3	2.2	2.3
SOCIOLOGY/ANTHROPOLOGY	26	28	34	9.4	7.7	10.2
SOCIAL SCIENCES, N.E.C.	4,634	5,242	5,907	5.9	13.1	2.5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-2. GRADUATE STUDENTS IN PUBLIC MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	31,059	33,992	37,035	6.0	9.4	4.4
ENGINEERING	2,512	2,947	3,914	15.9	17.3	15.2
AERONAUTICAL	19	8	0	-100.0	-57.9	-100.0
AGRICULTURAL	3	8	8	38.7	166.7	0.0
BIOMEDICAL	0	0	35	00	00	00
CHEMICAL	61	81	105	19.8	32.8	13.9
CIVIL	488	637	625	8.6	30.5	-0.9
ELECTRICAL	333	571	490	13.7	71.5	-7.4
ENGINEERING SCIENCE	2	30	28	141.0	1400.0	-3.4
INDUSTRIAL	158	183	122	-8.3	15.8	-18.4
MECHANICAL	194	273	267	11.2	40.7	-1.1
METALLURGICAL/MATERIALS	26	44	62	33.6	69.2	18.7
MINING	7	2	1	-47.7	-71.4	-29.3
NUCLEAR	0	0	0	0	0	0
PETROLEUM	0	0	1	00	00	00
ENGINEERING, N.E.C.	1,221	1,110	2,170	21.1	-9.1	39.8
PHYSICAL SCIENCES	1,224	1,375	1,250	0.7	12.3	-4.7
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	831	957	867	1.4	15.2	-4.8
PHYSICS	323	289	284	-4.7	-10.5	-0.9
PHYSICAL SCIENCES, N.E.C.	71	129	99	12.2	84.3	-12.4
ENVIRONMENTAL SCIENCES	895	962	924	1.1	7.5	-2.0
ATMOSPHERIC SCIENCES	0	10	12	00	00	9.5
GEOSCIENCES	415	456	505	6.8	9.9	5.2
OCEANOGRAPHY	37	44	38	0.9	18.9	-7.1
ENVIRONMENTAL SCIENCES, N.E.C.	443	452	369	-5.9	2.0	-9.6
MATHEMATICAL SCIENCES	2,438	2,254	2,466	0.4	-7.5	4.6
COMPUTER SCIENCE	436	507	864	25.6	16.3	30.5
MATHEMATICS AND APPLIED MATHEMATICS	1,947	1,697	1,569	-6.9	-12.8	-3.8
STATISTICS	55	50	33	-15.7	-9.1	-18.8
LIFE SCIENCES	8,510	9,078	9,934	5.3	6.7	4.6
AGRICULTURAL SCIENCES	833	774	1,031	7.4	-7.1	15.4
BIOLOGICAL SCIENCES	4,786	4,975	4,660	-0.9	3.9	-3.2
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	53	52	57	2.5	-1.9	4.7
BIOLOGY	4,365	4,353	4,031	-2.2	1.1	-3.8
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	75	21	17	-39.0	-72.0	-10.0
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	0	0	0	0	0	0
MICROBIOLOGY	154	168	144	-2.2	9.1	-7.4
NUTRITION	100	200	228	31.6	100.0	6.8
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	10	15	00	00	22.5
PHYSIOLOGY	0	0	0	0	0	0
ZOOLOGY	51	39	28	-18.1	-23.5	-15.3
BIOSCIENCES, N.E.C.	48	132	140	42.9	175.0	3.0
HEALTH SCIENCES	2,891	3,329	4,243	13.6	15.2	12.9
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	337	586	869	37.1	73.9	21.8
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	0	0	0	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	61	95	129	28.4	55.7	16.5
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	1,047	1,187	1,356	9.0	13.4	6.9
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	0	0	0	0	0	0
CLINICAL MEDICINE, N.E.C.	47	102	119	36.3	117.0	8.0
HEALTH RELATED, N.E.C.	1,399	1,359	1,770	8.2	-2.9	14.1
PSYCHOLOGY	6,386	7,064	7,769	6.8	10.6	4.9
SOCIAL SCIENCES	9,094	10,312	10,778	5.8	13.4	2.2
AGRICULTURAL ECONOMICS	17	21	23	10.6	23.5	4.7
ANTHROPOLOGY	411	535	425	1.1	30.2	-10.9
ECONOMICS (EXCEPT AGRICULTURAL)	665	695	594	-3.7	4.5	-7.6
GEOGRAPHY	579	513	468	-11.7	-24.4	-4.5
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	412	327	347	-5.6	-20.6	3.0
POLITICAL SCIENCE	3,999	4,273	4,363	2.9	6.9	1.0
SOCIOLOGY	1,183	1,294	1,333	4.1	9.4	1.5
SOCIOLOGY/ANTHROPOLOGY	11	15	22	26.0	36.4	21.1
SOCIAL SCIENCES, N.E.C.	1,717	2,639	3,203	23.1	53.7	10.2

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-3. GRADUATE STUDENTS IN PRIVATE MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	13,195	15,111	16,462	7.7	14.5	4.4
ENGINEERING	1,283	1,581	1,967	15.3	23.2	11.5
AERONAUTICAL	9	14	5	-17.8	55.6	-80.2
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	5	16	10	26.0	220.0	-20.9
CHEMICAL	79	57	85	2.5	-27.8	22.1
CIVIL	128	118	144	4.0	-7.8	10.5
ELECTRICAL	288	419	484	18.9	45.5	7.5
ENGINEERING SCIENCE	62	155	241	57.2	150.0	24.7
INDUSTRIAL	341	368	298	-4.4	7.9	-10.0
MECHANICAL	189	229	378	26.0	21.2	28.5
METALLURGICAL/MATERIALS	16	20	32	26.0	25.0	26.5
MINING	0	0	0	0	0	0
NUCLEAR	12	19	4	-30.7	58.3	-54.1
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	154	166	286	22.9	7.8	31.3
PHYSICAL SCIENCES	367	405	474	8.9	10.4	8.2
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	290	299	333	4.7	3.1	5.5
PHYSICS	62	86	72	5.1	38.7	-8.5
PHYSICAL SCIENCES, N.E.C.	15	20	69	66.3	33.3	85.7
ENVIRONMENTAL SCIENCES	43	82	92	28.9	90.7	5.9
ATMOSPHERIC SCIENCES	0	0	0	0	0	0
GEOSCIENCES	0	0	0	-100.0	-100.0	0
OCEANOGRAPHY	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	43	82	92	32.0	105.0	5.9
MATHEMATICAL SCIENCES	1,031	1,195	1,320	8.6	15.9	5.1
COMPUTER SCIENCE	799	903	1,061	11.8	19.0	8.4
MATHEMATICS AND APPLIED MATHEMATICS	132	147	100	-8.8	11.4	-17.5
STATISTICS	140	145	159	4.3	3.6	4.7
LIFE SCIENCES	2,083	2,430	2,318	3.6	16.9	-2.5
AGRICULTURAL SCIENCES	110	146	71	-13.6	32.7	-30.3
BIOLOGICAL SCIENCES	927	1,019	1,205	9.1	9.9	8.7
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	85	62	61	-10.5	-27.1	-0.8
BIOLOGY	667	649	898	10.4	-2.7	17.6
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	2	5	9	150.0	0	34.2
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	51	52	48	-2.0	2.0	-3.9
MICROBIOLOGY	89	139	69	-8.1	56.2	-29.5
NUTRITION	0	0	0	0	0	0
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	3	9	0	0	73.2
PHYSIOLOGY	0	3	2	0	0	-18.4
ZOOLOGY	8	7	9	4.0	-12.5	13.4
BIOSCIENCES, N.E.C.	25	99	100	58.7	296.0	0.5
HEALTH SCIENCES	1,046	1,271	1,042	-0.1	21.5	-9.5
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	270	332	326	6.5	23.0	-0.9
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	0	2	0	-100.0	-66.7	-100.0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	18	13	0	0	-15.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	0	0	0	0
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	245	293	323	9.7	19.6	5.0
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	20	21	15	-18.8	-25.0	-15.5
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0
HEALTH RELATED, N.E.C.	497	605	365	-9.8	21.7	-22.3
PSYCHOLOGY	2,623	3,160	4,215	17.1	20.5	15.5
SOCIAL SCIENCES	5,765	6,252	6,076	1.8	8.4	-1.4
AGRICULTURAL ECONOMICS	0	0	0	0	0	0
ANTHROPOLOGY	5	5	7	11.9	0.0	18.3
ECONOMICS (EXCEPT AGRICULTURAL)	215	191	250	5.2	-11.2	34.4
GEOGRAPHY	2	11	5	35.7	450.0	-32.6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	112	149	15	-88.8	33.0	-68.3
POLITICAL SCIENCE	2,167	2,965	3,131	14.1	40.7	2.8
SOCIOLOGY	392	315	352	-3.5	-19.6	5.7
SOCIOLOGY/ANTHROPOLOGY	15	13	12	-7.2	-13.3	-3.9
SOCIAL SCIENCES, N.E.C.	2,917	2,603	2,304	-7.8	-10.8	-5.9

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-4. GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION:
1976-79

DIVISION AND STATE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL INSTITUTIONS	44,254	49,103	53,497	6.5	11.0	4.4
NEW ENGLAND	2,962	4,170	4,909	18.1	39.8	8.5
CONNECTICUT	1,404	2,058	2,766	25.4	46.6	15.9
MAINE	0	0	0	00	00	00
MASSACHUSETTS	857	1,348	1,380	17.2	57.3	1.2
NEW HAMPSHIRE	67	52	43	-13.7	-22.4	-9.1
RHODE ISLAND	58	78	112	24.5	34.5	19.8
VERMONT	556	634	608	0.7	6.4	-2.1
MIDDLE ATLANTIC	8,506	9,080	9,264	2.9	6.7	1.0
NEW JERSEY	1,576	1,501	1,530	-1.0	-4.8	1.0
NEW YORK	4,872	5,417	5,457	3.9	11.2	0.4
PENNSYLVANIA	2,058	2,162	2,277	3.4	5.1	2.6
EAST NORTH CENTRAL	5,471	5,096	6,396	5.3	-6.9	12.0
ILLINOIS	3,283	2,982	3,406	1.2	-9.2	6.9
INDIANA	349	525	499	12.7	50.4	-2.5
MICHIGAN	780	486	471	-15.5	-37.7	-1.6
OHIO	472	448	859	22.1	-5.1	38.5
WISCONSIN	587	655	1,161	25.5	11.6	33.1
WEST NORTH CENTRAL	1,623	1,658	1,616	-0.1	2.2	-1.3
IOWA	349	325	143	-25.7	-6.9	-33.7
KANSAS	554	580	433	-7.9	4.7	-13.6
MINNESOTA	388	372	626	17.3	-4.1	29.7
MISSOURI	323	367	403	7.7	13.6	4.3
NEBRASKA	9	14	11	6.9	55.6	-11.4
NORTH DAKOTA	0	0	0	00	00	00
SOUTH DAKOTA	0	0	0	00	00	00
SOUTH ATLANTIC	6,051	5,238	5,982	-0.4	-13.4	6.9
DELAWARE	0	0	0	00	00	00
DISTRICT OF COLUMBIA	104	99	94	-3.3	-4.8	-2.6
FLORIDA	1,663	1,873	1,850	-0.3	9.3	-4.7
GEORGIA	677	812	502	-9.5	-3.7	-12.3
MARYLAND	1,406	1,164	2,102	14.3	-17.2	34.4
NORTH CAROLINA	684	403	442	-13.5	-41.1	4.7
SOUTH CAROLINA	131	112	150	4.6	-14.5	15.7
VIRGINIA	890	824	922	1.2	-7.4	5.8
WEST VIRGINIA	495	166	120	-37.6	-66.5	-15.7
EAST SOUTH CENTRAL	1,602	1,872	2,414	14.6	16.9	13.6
ALABAMA	288	349	573	25.8	21.2	28.1
KENTUCKY	380	590	688	21.9	55.3	8.0
MISSISSIPPI	349	332	290	-6.0	-4.9	-6.5
TENNESSEE	585	601	863	13.8	2.7	19.8
WEST SOUTH CENTRAL	3,549	4,020	4,674	9.6	13.3	7.8
ARKANSAS	398	347	423	2.1	-12.8	10.4
LOUISIANA	359	331	289	-7.0	-7.8	-6.6
OKLAHOMA	56	78	150	38.9	39.3	38.7
TEXAS	2,736	3,264	3,812	11.7	19.3	8.1
MOUNTAIN	353	512	610	20.0	45.0	9.2
ARIZONA	0	0	0	00	00	00
COLORADO	31	18	33	2.1	-41.9	35.4
IDAHO	0	0	0	00	00	00
MONTANA	25	21	31	7.4	-16.0	21.5
NEVADA	161	249	204	9.1	54.7	-8.4
NEW MEXICO	136	224	337	35.3	64.7	22.7
UTAH	0	0	0	00	00	00
WYOMING	0	0	0	00	00	00
PACIFIC	14,096	17,394	17,593	7.7	23.4	0.6
ALASKA	79	206	186	33.0	160.8	-5.0
CALIFORNIA	12,999	16,254	16,143	7.5	25.0	-0.3
HAWAII	0	0	0	00	00	00
OREGON	149	141	130	-4.4	-5.4	-4.0
WASHINGTON	869	793	1,134	9.3	-8.7	19.6
OUTLYING AREAS	22	63	39	21.0	186.4	-21.3

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE C-5. FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	16,329	17,839	19,274	5.7	9.2	3.9
ENGINEERING	823	898	1,381	18.8	9.1	24.0
AERONAUTICAL	12	9	1	-56.3	-25.0	-66.7
AGRICULTURAL	3	8	8	38.7	166.7	0.0
BIOMEDICAL	0	0	19	0.0	0.0	0.0
CHEMICAL	36	38	56	15.9	5.6	21.4
CIVIL	114	148	181	16.7	29.8	10.6
ELECTRICAL	85	195	215	36.3	129.4	5.0
ENGINEERING SCIENCE	11	31	14	8.4	181.8	-32.8
INDUSTRIAL	97	122	113	5.2	25.8	-3.8
MECHANICAL	54	78	89	18.1	44.4	6.8
METALLURGICAL/MATERIALS	7	6	9	8.7	-14.3	22.5
MINING	7	2	1	-47.7	-71.4	-29.3
NUCLEAR	0	5	0	0.0	0.0	-100.0
PETROLEUM	0	0	1	0.0	0.0	0.0
ENGINEERING, N.E.C.	397	256	674	19.3	-35.5	62.3
PHYSICAL SCIENCES	600	680	723	6.4	13.3	3.1
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	405	500	516	8.4	23.5	1.6
PHYSICS	168	134	184	3.1	-20.2	17.2
PHYSICAL SCIENCES, N.E.C.	27	46	23	-5.2	70.4	-29.3
ENVIRONMENTAL SCIENCES	280	338	377	10.4	20.7	5.6
ATMOSPHERIC SCIENCES	0	4	3	0.0	0.0	-13.4
GEOSCIENCES	147	147	184	7.8	0.0	11.9
OCEANOGRAPHY	35	31	23	-13.1	-11.4	-13.9
ENVIRONMENTAL SCIENCES, N.E.C.	98	156	167	19.4	59.2	3.5
MATHEMATICAL SCIENCES	1,060	862	1,246	5.5	-18.7	20.2
COMPUTER SCIENCE	402	344	714	21.1	-14.4	44.1
MATHEMATICS AND APPLIED MATHEMATICS	635	502	520	-6.4	-20.7	1.8
STATISTICS	23	16	12	-19.5	-30.4	-13.4
LIFE SCIENCES	4,427	4,344	4,707	2.1	-1.9	4.1
AGRICULTURAL SCIENCES	575	490	637	3.5	-14.8	14.0
BIOLOGICAL SCIENCES	2,398	2,222	2,295	-1.5	-7.3	1.6
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	44	33	33	-9.1	-25.0	0.0
BIOLOGY	2,054	1,847	2,045	-0.1	-10.1	5.2
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	55	20	18	-31.1	-63.6	-5.1
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	32	38	43	10.4	18.8	6.4
MICROBIOLOGY	93	128	34	-28.5	37.6	-48.5
NUTRITION	44	89	61	11.5	102.3	-17.2
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	11	18	0.0	0.0	27.9
PHYSIOLOGY	0	0	1	0.0	0.0	0.0
ZOOLOGY	51	42	29	-17.2	-17.6	-16.9
BIOSCIENCES, N.E.C.	25	14	13	-19.6	-44.0	-3.6
HEALTH SCIENCES	1,454	1,632	1,775	6.9	12.2	4.3
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	188	306	195	1.2	62.8	-20.2
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	4	2	0	-100.0	-50.0	-100.0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	2	3	0.0	0.0	22.5
PREVENTIVE MEDICINE/COMMUNITY HEALTH	21	19	33	16.3	-9.5	31.8
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	539	686	700	9.1	27.3	1.0
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	21	16	12	-17.0	-23.8	-13.4
CLINICAL MEDICINE, N.E.C.	4	31	30	95.7	675.0	-1.6
HEALTH RELATED, N.E.C.	677	570	802	5.8	-15.8	18.6
PSYCHOLOGY	4,007	4,215	5,121	8.5	5.2	10.2
SOCIAL SCIENCES	5,132	6,502	5,719	3.7	26.7	-6.2
AGRICULTURAL ECONOMICS	13	18	18	11.5	38.5	0.0
ANTHROPOLOGY	143	168	127	-3.9	17.5	-13.1
ECONOMICS (EXCEPT AGRICULTURAL)	350	322	236	-12.3	-8.0	-14.4
GEOGRAPHY	218	171	181	-6.0	-21.6	2.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	142	105	92	-13.5	-26.1	-6.4
POLITICAL SCIENCE	1,546	1,977	1,612	1.4	27.9	-9.7
SOCIOLOGY	740	701	844	4.5	-5.3	9.7
SOCIOLOGY/ANTHROPOLOGY	18	17	15	-5.9	-5.6	-6.1
SOCIAL SCIENCES, N.E.C.	1,962	3,023	2,594	9.8	54.1	-7.4

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-6. FULL-TIME GRADUATE STUDENTS IN PUBLIC MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	11,202	11,854	13,278	5.8	5.8	5.8
ENGINEERING	624	605	963	15.6	-3.0	26.2
AERONAUTICAL	6	2	0	-100.0	-66.7	-100.0
AGRICULTURAL	3	8	8	38.7	166.7	0.0
BIOMEDICAL	0	0	17	0.0	0.0	0.0
CHEMICAL	11	18	20	22.1	63.6	5.4
CIVIL	82	114	135	18.1	39.0	8.8
ELECTRICAL	45	97	108	33.9	115.6	5.5
ENGINEERING SCIENCE	2	23	9	65.1	1050.0	-37.4
INDUSTRIAL	45	58	36	-7.2	28.9	-21.2
MECHANICAL	27	45	41	14.9	66.7	-4.5
METALLURGICAL/MATERIALS	7	6	8	4.6	-14.3	15.5
MINING	7	2	1	-47.7	-71.4	-29.3
NUCLEAR	0	0	0	0.0	0.0	0.0
PETROLEUM	0	0	1	0.0	0.0	0.0
ENGINEERING, N.E.C.	389	232	579	14.2	-40.4	58.0
PHYSICAL SCIENCES	508	544	555	3.0	7.1	1.0
ASTRONOMY	0	0	0	0.0	0.0	0.0
CHEMISTRY	332	389	384	5.0	17.2	-0.6
PHYSICS	149	114	150	0.2	-23.5	14.7
PHYSICAL SCIENCES, N.E.C.	27	41	21	-8.0	51.9	-28.4
ENVIRONMENTAL SCIENCES	254	301	335	9.7	18.5	5.5
ATMOSPHERIC SCIENCES	0	4	3	0.0	0.0	-13.4
GEOSCIENCES	145	147	184	8.3	1.4	11.9
OCEANOGRAPHY	35	31	23	-13.1	-11.4	-13.9
ENVIRONMENTAL SCIENCES, N.E.C.	74	119	125	19.1	60.8	2.5
MATHEMATICAL SCIENCES	744	620	807	2.7	-16.7	14.1
COMPUTER SCIENCE	142	158	315	30.4	11.3	41.2
MATHEMATICS AND APPLIED MATHEMATICS	581	448	481	-6.1	-22.9	3.6
STATISTICS	21	14	11	-19.4	-33.3	-11.4
LIFE SCIENCES	3,518	3,359	3,909	3.6	-4.5	7.9
AGRICULTURAL SCIENCES	519	428	603	5.1	-17.5	18.7
BIOLOGICAL SCIENCES	2,041	1,888	1,986	-0.9	-7.5	2.6
ANATOMY	0	0	0	0.0	0.0	0.0
BIOCHEMISTRY	24	19	21	-4.4	-20.8	5.1
BIOLOGY	1,795	1,649	1,811	0.3	-8.1	4.8
BIOMETRY/EPIDEMIOLOGY	0	0	0	0.0	0.0	0.0
BIOPHYSICS	0	0	0	0.0	0.0	0.0
BOTANY	54	19	17	-32.0	-64.8	-5.4
CELL BIOLOGY	0	0	0	0.0	0.0	0.0
ECOLOGY	0	0	0	0.0	0.0	0.0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0.0	0.0	0.0
GENETICS	0	0	0	0.0	0.0	0.0
MICROBIOLOGY	54	55	30	-17.8	1.9	-26.1
NUTRITION	44	89	61	11.5	102.3	-17.2
PATHOLOGY	0	0	0	0.0	0.0	0.0
PHARMACOLOGY	0	10	15	0.0	0.0	22.5
PHYSIOLOGY	0	0	0	0.0	0.0	0.0
ZOOLOGY	45	36	24	-18.9	-20.0	-18.4
BIOSCIENCES, N.E.C.	25	11	7	-34.6	-56.0	-20.2
HEALTH SCIENCES	958	1,043	1,320	11.3	8.9	12.5
ANESTHESIOLOGY	0	0	0	0.0	0.0	0.0
CARDIOLOGY	0	0	0	0.0	0.0	0.0
CLINICAL PHARMACOLOGY	0	0	0	0.0	0.0	0.0
DENTISTRY	0	0	0	0.0	0.0	0.0
ENDOCRINOLOGY	0	0	0	0.0	0.0	0.0
GASTROENTEROLOGY	0	0	0	0.0	0.0	0.0
HEMATOLOGY	0	0	0	0.0	0.0	0.0
NEUROLOGY	0	0	0	0.0	0.0	0.0
NURSING	66	134	131	29.7	123.3	-1.1
OBSTETRICS/GYNECOLOGY	0	0	0	0.0	0.0	0.0
OPHTHALMOLOGY	0	0	0	0.0	0.0	0.0
OTORHINOLARYNGOLOGY	0	0	0	0.0	0.0	0.0
PEDIATRICS	0	0	0	0.0	0.0	0.0
PHARMACEUTICAL SCIENCES	0	0	0	0.0	0.0	0.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	21	19	33	16.3	-9.5	31.8
PSYCHIATRY	0	0	0	0.0	0.0	0.0
PULMONARY DISEASE	0	0	0	0.0	0.0	0.0
RADIOLOGY	0	0	0	0.0	0.0	0.0
SPEECH PATHOLOGY/AUDIOLOGY ..	376	507	522	11.6	34.8	1.5
SURGERY	0	0	0	0.0	0.0	0.0
VETERINARY SCIENCES	0	0	0	0.0	0.0	0.0
CLINICAL MEDICINE, N.E.C.	4	31	30	95.7	675.0	-1.6
HEALTH RELATED, N.E.C.	497	352	604	6.7	-29.2	31.0
PSYCHOLOGY	2,807	2,922	3,164	4.1	4.1	4.1
SOCIAL SCIENCES	2,747	3,503	3,545	8.9	27.5	0.6
AGRICULTURAL ECONOMICS	13	18	18	11.5	38.5	0.0
ANTHROPOLOGY	142	166	126	-3.9	16.9	-12.9
ECONOMICS (EXCEPT AGRICULTURAL)	262	263	182	-11.4	0.4	-16.8
GEOGRAPHY	218	171	181	-6.0	-21.6	2.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0.0	0.0	0.0
LINGUISTICS	136	99	87	-13.8	-27.2	-6.3
POLITICAL SCIENCE	988	1,149	889	-3.5	16.3	-12.0
SOCIOLOGY	508	530	639	7.9	4.3	9.8
SOCIOLOGY/ANTHROPOLOGY	3	5	3	0.0	66.7	-22.5
SOCIAL SCIENCES, N.E.C.	477	1,102	1,420	43.9	131.0	13.5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-7. FULL-TIME GRADUATE STUDENTS IN PRIVATE MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	5,127	5,985	5,996	5.4	16.7	0.1
ENGINEERING	199	293	418	28.1	47.2	19.4
AERONAUTICAL	6	7	1	-45.0	16.7	-62.2
AGRICULTURAL	C	0	0	0	0	0
BIOMEDICAL	C	0	2	00	00	00
CHEMICAL	25	20	36	12.9	-20.0	34.2
CIVIL	32	34	46	12.9	6.3	16.3
ELECTRICAL	40	98	107	38.8	145.0	4.5
ENGINEERING SCIENCE	9	8	5	-17.8	-11.1	-20.9
INDUSTRIAL	52	64	77	14.0	23.1	9.7
MECHANICAL	27	33	48	21.1	22.2	20.6
METALLURGICAL/MATERIALS	C	0	1	00	00	00
MINING	C	0	0	0	0	0
NUCLEAR	C	5	C	00	00	-100.0
PETROLEUM	C	0	0	0	0	0
ENGINEERING, N.E.C.	8	24	95	128.1	200.0	99.0
PHYSICAL SCIENCES	92	136	168	22.2	47.8	11.1
ASTRONOMY	C	0	0	0	0	0
CHEMISTRY	73	111	132	21.8	52.1	9.0
PHYSICS	19	20	34	21.4	5.3	30.4
PHYSICAL SCIENCES, N.E.C.	C	5	2	00	00	-36.8
ENVIRONMENTAL SCIENCES	26	37	42	17.3	42.3	6.5
ATMOSPHERIC SCIENCES	C	0	0	0	0	0
GEOSCIENCES	2	0	0	-100.0	-100.0	00
OCEANOGRAPHY	C	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	24	37	42	20.5	54.2	6.5
MATHEMATICAL SCIENCES	316	242	439	11.6	-23.4	34.7
COMPUTER SCIENCE	260	186	399	15.3	-28.5	46.5
MATHEMATICS AND APPLIED MATHEMATICS	54	54	39	-10.3	0.0	-15.0
STATISTICS	2	2	1	-20.6	0.0	-29.3
LIFE SCIENCES	909	985	798	-4.2	8.4	-10.0
AGRICULTURAL SCIENCES	56	62	34	-15.3	10.7	-25.9
BIOLOGICAL SCIENCES	357	334	309	-4.7	-6.4	-3.8
ANATOMY	C	0	0	0	0	0
BIOCHEMISTRY	20	14	12	-15.7	-30.0	-7.4
BIOLOGY	259	198	234	-3.3	-23.6	8.7
BIOMETRY/EPIDEMIOLOGY	C	0	0	0	0	0
BIOPHYSICS	C	0	0	0	0	0
BOTANY	1	1	1	0.0	0.0	0.0
CELL BIOLOGY	C	0	0	0	0	0
ECOLOGY	C	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	C	0	0	0	0	0
GENETICS	32	38	43	10.4	18.8	6.4
MICROBIOLOGY	39	73	4	-53.2	87.2	-76.6
NUTRITION	C	0	0	0	0	0
PATHOLOGY	C	0	0	0	0	0
PHARMACOLOGY	C	1	3	00	00	73.2
PHYSIOLOGY	C	0	1	00	00	00
ZOOLOGY	6	6	5	-5.9	0.0	-8.7
BIOSCIENCES, N.E.C.	C	3	6	00	00	41.4
HEALTH SCIENCES	496	589	455	-2.8	18.8	-12.1
ANESTHESIOLOGY	C	0	0	0	0	0
CARDIOLOGY	C	0	0	0	0	0
CLINICAL PHARMACOLOGY	C	0	0	0	0	0
DENTISTRY	C	0	0	0	0	0
ENDOCRINOLOGY	C	0	0	0	0	0
GASTROENTEROLOGY	C	0	0	0	0	0
HEMATOLOGY	C	0	0	0	0	0
NEUROLOGY	C	0	0	0	0	0
NURSING	128	172	64	-20.6	34.4	-39.0
OBSTETRICS/GYNECOLOGY	C	0	0	0	0	0
OPHTHALMOLOGY	4	2	0	-100.0	-50.0	-100.0
OTORHINOLARYNGOLOGY	C	0	0	0	0	0
PEDIATRICS	C	0	0	0	0	0
PHARMACEUTICAL SCIENCES	C	2	3	00	00	22.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	C	0	0	0	0	0
PSYCHIATRY	C	0	0	0	0	0
PULMONARY DISEASE	C	0	0	0	0	0
RADIOLOGY	C	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	163	179	178	3.0	9.8	-0.3
SURGERY	C	0	0	0	0	0
VETERINARY SCIENCES	21	16	12	-17.0	-23.8	-13.4
CLINICAL MEDICINE, N.E.C.	C	0	0	0	0	0
HEALTH RELATED, N.E.C.	180	218	198	3.2	21.1	-4.7
PSYCHOLOGY	1,200	1,293	1,957	17.7	7.7	23.0
SOCIAL SCIENCES	2,385	2,999	2,174	-3.0	25.7	-14.9
AGRICULTURAL ECONOMICS	C	0	0	0	0	0
ANTHROPOLOGY	1	2	1	0.0	100.0	-29.3
ECONOMICS (EXCEPT AGRICULTURAL)	88	59	54	-15.0	-33.0	-4.3
GEOGRAPHY	C	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	C	0	0	0	0	0
LINGUISTICS	6	6	5	-5.9	0.0	-8.7
POLITICAL SCIENCE	558	828	723	9.0	48.4	-8.6
SOCIOLOGY	232	171	205	-4.0	-26.3	9.5
SOCIOLOGY/ANTHROPOLOGY	15	12	12	-7.2	-20.0	0.0
SOCIAL SCIENCES, N.E.C.	1,485	1,921	1,174	-7.5	29.4	-21.8

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-8. MALE FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	10,188	10,421	11,346	3.7	2.3	4.3
ENGINEERING	776	837	1,162	14.4	7.9	17.8
AERONAUTICAL	12	9	1	-56.3	-25.0	-66.7
AGRICULTURAL	3	6	7	32.6	100.0	8.0
BIOMEDICAL	C	0	19	..	..	..
CHEMICAL	35	35	51	13.4	0.0	20.7
CIVIL	100	132	149	14.2	32.0	6.2
ELECTRICAL	81	188	207	36.7	132.1	4.9
ENGINEERING SCIENCE	11	28	13	5.7	154.5	-31.9
INDUSTRIAL	96	118	99	1.0	22.9	-8.4
MECHANICAL	51	77	87	19.5	51.0	6.3
METALLURGICAL/MATERIALS	5	4	8	17.0	-20.0	41.4
MINING	7	2	1	-47.7	-71.4	-29.3
NUCLEAR	C	5	0	..	..	-100.0
PETROLEUM	C	0	1	..	..	..
ENGINEERING, N.E.C.	375	233	519	11.4	-37.9	49.2
PHYSICAL SCIENCES	476	519	564	5.8	9.0	4.2
ASTRONOMY	C	0	0	0	0	0
CHEMISTRY	368	378	398	8.9	22.7	2.6
PHYSICS	147	106	151	0.9	-27.9	19.4
PHYSICAL SCIENCES, N.E.C.	21	35	15	-10.6	66.7	-34.5
ENVIRONMENTAL SCIENCES	227	266	299	9.6	17.2	6.0
ATMOSPHERIC SCIENCES	C	3	2	..	..	-18.4
GEOSCIENCES	122	126	160	9.5	3.3	12.7
OCEANOGRAPHY	24	20	14	-16.4	-16.7	-16.3
ENVIRONMENTAL SCIENCES, N.E.C.	81	117	123	14.9	44.4	2.5
MATHEMATICAL SCIENCES	754	635	945	7.8	-15.8	22.0
COMPUTER SCIENCE	326	269	587	21.7	-17.5	47.7
MATHEMATICS AND APPLIED MATHEMATICS	409	354	347	-5.3	-13.4	-1.0
STATISTICS	19	12	11	-16.7	-36.8	-4.3
LIFE SCIENCES	2,569	2,355	2,643	1.0	-8.3	5.9
AGRICULTURAL SCIENCES	448	410	560	7.7	-8.5	16.9
BIOLOGICAL SCIENCES	1,611	1,468	1,497	-2.4	-8.9	1.0
ANATOMY	C	0	0	0	0	0
BIOCHEMISTRY	30	27	28	-2.3	-10.0	1.8
BIOLOGY	1,424	1,262	1,374	-1.2	-11.4	4.3
BIOMETRY/EPIDEMIOLOGY	C	0	0	0	0	0
BIOPHYSICS	C	0	0	0	0	0
BOTANY	31	13	18	-16.6	-58.1	17.7
CELL BIOLOGY	C	0	0	0	0	0
ECOLOGY	C	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	C	0	0	0	0	0
GENETICS	5	2	0	-100.0	-60.0	-100.0
MICROBIOLOGY	70	102	21	-33.1	45.7	-54.6
NUTRITION	4	12	5	7.7	200.0	-35.5
PATHOLOGY	C	0	0	0	0	0
PHARMACOLOGY	C	8	13	..	..	27.5
PHYSIOLOGY	C	0	1	..	..	..
ZOOLOGY	31	32	24	-8.2	3.2	-13.4
BIOSCIENCES, N.E.C.	16	10	13	-6.7	-37.5	14.0
HEALTH SCIENCES	510	477	586	4.7	-6.5	10.8
ANESTHESIOLOGY	C	0	0	0	0	0
CARDIOLOGY	C	0	0	0	0	0
CLINICAL PHARMACOLOGY	C	0	0	0	0	0
DENTISTRY	C	0	0	0	0	0
ENDOCRINOLOGY	C	0	0	0	0	0
GASTROENTEROLOGY	C	0	0	0	0	0
HEMATOLOGY	C	0	0	0	0	0
NEUROLOGY	C	0	0	0	0	0
NURSING	24	24	11	-22.9	0.0	-32.3
OBSTETRICS/GYNECOLOGY	C	0	0	0	0	0
OPHTHALMOLOGY	4	2	0	-100.0	-50.0	-100.0
OTORHINOLARYNGOLOGY	C	0	0	0	0	0
PEDIATRICS	C	0	0	0	0	0
PHARMACEUTICAL SCIENCES	C	2	3	..	..	22.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	7	9	15	28.9	28.8	29.1
PSYCHIATRY	C	0	0	0	0	0
PULMONARY DISEASE	C	0	0	0	0	0
RADIOLOGY	C	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	58	87	78	10.4	50.0	-5.3
SURGERY	C	0	0	0	0	0
VETERINARY SCIENCES	15	11	9	-15.7	-26.7	-9.5
CLINICAL MEDICINE, N.E.C.	2	13	11	76.5	550.0	-8.0
HEALTH RELATED, N.E.C.	400	329	459	4.7	-17.8	18.1
PSYCHOLOGY	2,268	2,111	2,690	6.8	-4.4	12.9
SOCIAL SCIENCES	3,178	3,698	3,043	-1.4	16.4	-9.3
AGRICULTURAL ECONOMICS	13	17	15	4.9	30.8	-6.1
ANTHROPOLOGY	89	90	62	-11.4	1.1	-17.0
ECONOMICS (EXCEPT AGRICULTURAL)	285	260	187	-13.1	-8.8	-15.2
GEOGRAPHY	162	122	120	-9.5	-24.7	-0.8
HISTORY AND PHILOSOPHY OF SCIENCE	C	0	0	0	0	0
LINGUISTICS	66	48	47	-10.7	-27.3	-1.0
POLITICAL SCIENCE	1,099	1,467	1,074	-0.8	33.5	-14.4
SOCIOLOGY	445	417	472	2.0	-6.3	6.4
SOCIOLOGY/ANTHROPOLOGY	6	3	9	14.5	-50.0	73.2
SOCIAL SCIENCES, N.E.C.	1,013	1,274	1,057	1.4	25.8	-8.9

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE C-9. FEMALE FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	6,141	7,418	7,928	8.9	20.8	3.4
ENGINEERING	47	61	219	67.0	29.8	89.5
AERONAUTICAL	0	0	0	0	0	0
AGRICULTURAL	0	2	1	**	**	-29.3
BIOMEDICAL	0	0	0	0	0	0
CHEMICAL	1	3	5	71.0	200.0	29.1
CIVIL	14	16	32	31.7	14.3	41.4
ELECTRICAL	4	7	8	26.0	75.0	6.9
ENGINEERING SCIENCE	0	3	1	**	**	-42.3
INDUSTRIAL	1	4	14	141.0	300.0	87.1
MECHANICAL	3	1	2	-12.6	-66.7	41.4
METALLURGICAL/MATERIALS	2	2	1	-20.6	0.0	-29.3
MINING	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	22	23	153	91.7	4.5	159.6
PHYSICAL SCIENCES	124	161	159	8.6	29.8	-0.6
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	97	122	118	6.8	25.8	-1.7
PHYSICS	21	28	33	16.3	33.3	8.6
PHYSICAL SCIENCES, N.E.C.	6	11	8	10.1	83.3	-14.7
ENVIRONMENTAL SCIENCES	53	72	78	13.7	35.8	4.1
ATMOSPHERIC SCIENCES	0	1	1	**	**	0.0
GEOSCIENCES	25	21	24	-1.4	-16.0	6.9
OCEANOGRAPHY	11	11	9	-6.5	0.0	-9.5
ENVIRONMENTAL SCIENCES, N.E.C.	17	39	44	37.3	129.4	6.2
MATHEMATICAL SCIENCES	306	227	301	-0.5	-25.8	15.2
COMPUTER SCIENCE	76	75	127	18.7	-1.3	30.1
MATHEMATICS AND APPLIED MATHEMATICS	226	148	173	-8.5	-34.5	8.1
STATISTICS	4	4	1	-37.0	0.0	-50.0
LIFE SCIENCES	1,858	1,989	2,064	3.6	7.1	1.9
AGRICULTURAL SCIENCES	127	80	77	-15.4	-37.0	-1.9
BIOLOGICAL SCIENCES	787	754	798	0.5	-4.2	2.9
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	14	6	5	-19.1	-57.1	-8.7
BIOLOGY	630	585	671	2.1	-7.1	7.1
BIOMETRY/EPIDEMIOLGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	24	7	0	-100.0	-70.8	-100.0
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	27	36	43	16.8	33.3	9.3
MICROBIOLOGY	23	26	13	-17.3	13.0	-29.3
NUTRITION	40	77	56	11.9	92.5	-14.7
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	3	5	**	**	29.1
PHYSIOLOGY	0	0	0	0	0	0
ZOOLOGY	20	10	5	-37.0	-50.0	-29.3
BIOSCIENCES, N.E.C.	9	4	0	-100.0	-55.6	-100.0
HEALTH SCIENCES	944	1,155	1,189	8.0	22.4	1.5
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	164	282	184	3.9	72.0	-19.2
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	0	0	0	0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	14	10	18	8.7	-28.6	34.2
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	481	599	622	8.9	24.5	1.9
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	6	5	3	-20.6	-16.7	-22.5
CLINICAL MEDICINE, N.E.C.	2	18	19	111.8	800.0	2.7
HEALTH RELATED, N.E.C.	277	241	343	7.4	-13.0	19.3
PSYCHOLOGY	1,799	2,104	2,431	10.6	17.0	7.5
SOCIAL SCIENCES	1,954	2,804	2,676	11.1	43.5	-2.3
AGRICULTURAL ECONOMICS	0	1	3	**	**	73.2
ANTHROPOLOGY	54	78	65	6.4	44.4	-8.7
ECONOMICS (EXCEPT AGRICULTURAL)	65	62	49	-9.0	-4.6	-11.1
GEOGRAPHY	56	49	61	2.9	-12.5	11.6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	76	57	45	-16.0	-25.0	-11.1
POLITICAL SCIENCE	447	510	538	6.4	14.1	2.7
SOCIOLOGY	295	284	372	8.0	-3.7	14.4
SOCIOLOGY/ANTHROPOLOGY	12	14	6	-20.6	16.7	-34.5
SOCIAL SCIENCES, N.E.C.	949	1,749	1,537	17.4	84.3	-6.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-10. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN MASTER'S-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	1,784	2,076	1,619	-3.2	16.4	-11.7
ENGINEERING	167	96	94	-4.2	-10.3	-1.0
AERONAUTICAL	1	0	0	-100.0	-100.0	**
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	0
CHEMICAL	1	0	0	-100.0	-100.0	**
CIVIL	41	38	29	-10.9	-7.3	-12.6
ELECTRICAL	11	19	3	-35.2	72.7	-60.3
ENGINEERING SCIENCE	1	7	2	26.0	600.0	-46.5
INDUSTRIAL	13	5	0	-100.0	-61.5	-100.0
MECHANICAL	10	7	0	-100.0	-30.0	-100.0
METALLURGICAL/MATERIALS	1	1	2	26.0	0.0	41.4
MINING	3	2	1	-30.7	-33.3	-29.3
NUCLEAR	0	2	0	**	**	-100.0
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	25	15	57	31.6	-40.0	94.9
PHYSICAL SCIENCES	33	43	78	33.2	30.3	34.7
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	26	39	71	35.8	50.0	34.9
PHYSICS	7	4	6	-5.0	-42.9	22.5
PHYSICAL SCIENCES, N.E.C.	0	0	1	**	**	**
ENVIRONMENTAL SCIENCES	37	24	33	-3.7	-35.1	17.3
ATMOSPHERIC SCIENCES	0	0	2	**	**	**
GEOSCIENCES	27	19	13	-21.6	-29.6	-17.3
OCEANOGRAPHY	0	0	3	**	**	**
ENVIRONMENTAL SCIENCES, N.E.C.	10	5	15	14.5	-50.0	73.2
MATHEMATICAL SCIENCES	53	52	24	-23.2	-1.9	-32.1
COMPUTER SCIENCE	25	28	15	-15.7	12.0	-26.8
MATHEMATICS AND APPLIED MATHEMATICS	28	23	8	-34.1	-17.9	-41.0
STATISTICS	0	1	1	**	**	0.0
LIFE SCIENCES	430	450	630	13.6	4.7	18.3
AGRICULTURAL SCIENCES	88	76	76	-4.8	-13.6	0.0
BIOLOGICAL SCIENCES	161	173	239	14.3	8.1	17.5
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	1	2	9	108.0	100.0	112.1
BIOLOGY	146	153	205	12.0	4.8	15.8
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	6	1	0	-100.0	-83.3	-100.0
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	0	0	0	0	0	0
MICROBIOLOGY	5	5	8	17.0	0.0	26.5
NUTRITION	2	4	6	44.2	100.0	22.5
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	3	11	**	**	91.5
PHYSIOLOGY	0	0	0	0	0	0
ZOOLOGY	0	1	0	**	**	-100.0
BIOSCIENCES, N.E.C.	0	4	0	**	**	-100.0
HEALTH SCIENCES	182	201	315	20.1	10.4	25.2
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	43	42	101	32.9	-2.3	55.1
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	0	0	0	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	0	4	2	**	**	-29.3
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	113	140	86	-8.7	23.9	-21.6
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	3	3	9	44.2	0.0	73.2
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0
HEALTH RELATED, N.E.C.	23	12	117	72.0	-47.8	212.2
PSYCHOLOGY	268	341	175	-13.2	27.2	-28.4
SOCIAL SCIENCES	856	1,070	585	-11.9	25.0	-26.1
AGRICULTURAL ECONOMICS	0	0	1	**	**	**
ANTHROPOLOGY	18	21	16	-3.9	16.7	-12.7
ECONOMICS (EXCEPT AGRICULTURAL)	31	24	2	-59.9	-22.6	-71.1
GEOGRAPHY	13	3	8	-14.9	-76.9	63.3
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	11	8	0	-100.0	-27.3	-100.0
POLITICAL SCIENCE	260	265	153	-16.2	1.9	-24.0
SOCIOLOGY	115	41	30	-36.1	-64.3	-14.5
SOCIOLOGY/ANTHROPOLOGY	14	11	13	-2.4	-21.4	8.7
SOCIAL SCIENCES, N.E.C.	394	697	362	-2.8	76.9	-27.9

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-11. FULL-TIME GRADUATE STUDENTS SUPPORTED BY INSTITUTIONAL SOURCES IN MASTER'S-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	3,272	3,406	3,947	6.5	4.1	7.6
ENGINEERING	88	126	369	61.3	43.2	71.1
AERONAUTICAL	0	0	0	0	0	0
AGRICULTURAL	1	1	3	00	00	73.2
BIOMEDICAL	0	0	1	00	00	00
CHEMICAL	8	7	24	44.2	-12.5	85.2
CIVIL	8	25	32	58.7	212.5	13.1
ELECTRICAL	8	24	35	63.6	200.0	20.8
ENGINEERING SCIENCE	5	10	3	-15.7	100.0	-45.2
INDUSTRIAL	25	20	54	29.3	-20.0	64.3
MECHANICAL	8	13	20	35.7	62.5	24.3
METALLURGICAL/MATERIALS	1	1	2	26.0	0.0	41.4
MINING	2	0	0	-100.0	-100.0	00
NUCLEAR	0	2	0	00	00	-100.0
PETROLEUM	0	0	1	00	00	00
ENGINEERING, N.E.C.	23	23	194	103.6	0.0	190.4
PHYSICAL SCIENCES	346	346	427	7.3	0.0	11.1
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	236	244	289	7.0	3.4	8.8
PHYSICS	105	88	130	7.4	-16.2	21.5
PHYSICAL SCIENCES, N.E.C.	5	14	8	17.0	180.0	-24.4
ENVIRONMENTAL SCIENCES	100	109	144	12.9	9.0	14.9
ATMOSPHERIC SCIENCES	0	2	1	00	00	-29.3
GEOSCIENCES	60	58	62	1.1	-3.3	3.4
OCEANOGRAPHY	11	13	14	8.4	18.2	3.8
ENVIRONMENTAL SCIENCES, N.E.C.	29	36	67	32.2	24.1	36.4
MATHEMATICAL SCIENCES	324	253	385	5.9	-21.9	23.4
COMPUTER SCIENCE	71	22	136	24.2	-69.0	148.6
MATHEMATICS AND APPLIED MATHEMATICS	253	229	240	-1.7	-9.5	2.4
STATISTICS	0	2	9	00	00	112.1
LIFE SCIENCES	1,204	1,154	1,172	-0.9	-4.2	0.8
AGRICULTURAL SCIENCES	59	65	66	3.8	10.2	0.8
BIOLOGICAL SCIENCES	990	865	871	-4.2	-12.6	0.3
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	24	21	12	-20.6	-12.5	-24.4
BIOLOGY	861	749	809	-2.1	-13.0	3.9
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	26	12	12	-22.7	-53.8	0.0
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	0	0	0	0	0	0
MICROBIOLOGY	38	37	6	-46.0	-2.6	-59.7
NUTRITION	16	14	9	-17.5	-12.5	-19.8
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	5	2	00	00	-36.8
PHYSIOLOGY	0	0	1	00	00	00
ZOOLOGY	18	22	20	3.6	22.2	-4.7
BIOSCIENCES, N.E.C.	7	5	0	-100.0	-28.6	-100.0
HEALTH SCIENCES	155	224	235	14.9	44.5	2.4
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	9	18	17	23.6	100.0	-2.8
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	2	0	0	-100.0	-100.0	00
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	1	00	00	00
PREVENTIVE MEDICINE/COMMUNITY HEALTH	0	4	2	00	00	-29.3
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	120	154	159	9.8	28.3	1.6
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	2	3	1	-20.6	50.0	-42.3
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0
HEALTH RELATED, N.E.C.	22	45	55	35.7	104.5	10.6
PSYCHOLOGY	630	793	745	5.7	25.9	-3.1
SOCIAL SCIENCES	580	625	705	6.7	7.8	6.2
AGRICULTURAL ECONOMICS	5	6	2	-26.3	20.0	-42.3
ANTHROPOLOGY	23	16	21	-3.0	-30.4	14.6
ECONOMICS (EXCEPT AGRICULTURAL)	49	54	54	3.3	10.2	0.0
GEOGRAPHY	64	76	60	-2.1	18.8	-11.1
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	23	32	34	13.9	39.1	3.1
POLITICAL SCIENCE	181	180	208	4.7	-0.6	7.5
SOCIOLOGY	100	123	173	20.0	23.0	18.6
SOCIOLOGY/ANTHROPOLOGY	3	4	0	-100.0	33.3	-100.0
SOCIAL SCIENCES, N.E.C.	132	134	153	5.0	1.5	6.9

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-12. FULL-TIME GRADUATE STUDENTS SUPPORTED BY OTHER OUTSIDE SOURCES IN MASTER'S-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	646	819	954	13.9	26.8	7.9
ENGINEERING	43	58	135	46.4	34.9	52.6
AERONAUTICAL	3	0	1	-30.7	-100.0	..
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	0	0	2	..	..	..
CHEMICAL	4	13	8	26.0	225.0	-21.6
CIVIL	9	2	12	10.1	-77.8	144.9
ELECTRICAL	7	24	32	66.0	242.9	15.5
ENGINEERING SCIENCE	0	2	4	..	..	41.4
INDUSTRIAL	4	1	28	91.3	-75.0	429.1
MECHANICAL	1	2	8	100.0	100.0	100.0
METALLURGICAL/MATERIALS	1	0	2	26.0	-100.0	..
MINING	2	0	0	-100.0	-100.0	..
NUCLEAR	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	12	14	38	46.8	16.7	64.8
PHYSICAL SCIENCES	25	46	36	12.9	84.0	-11.5
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	9	42	30	49.4	366.7	-15.5
PHYSICS	15	3	5	-30.7	-80.0	29.1
PHYSICAL SCIENCES, N.E.C.	1	1	1	0.0	0.0	0.0
ENVIRONMENTAL SCIENCES	14	14	25	21.3	0.0	33.6
ATMOSPHERIC SCIENCES	0	0	0	0	0	0
GEOSCIENCES	4	13	13	48.1	225.0	0.0
OCEANOGRAPHY	5	0	1	-41.5	-100.0	..
ENVIRONMENTAL SCIENCES, N.E.C.	5	1	11	30.1	-80.0	231.7
MATHEMATICAL SCIENCES	43	39	49	4.5	-9.3	12.1
COMPUTER SCIENCE	28	32	42	14.5	14.3	14.6
MATHEMATICS AND APPLIED MATHEMATICS	13	7	6	-22.7	-46.2	-7.4
STATISTICS	2	0	1	-20.6	-100.0	..
LIFE SCIENCES	208	173	182	-4.4	-16.8	2.6
AGRICULTURAL SCIENCES	18	18	28	15.9	0.0	24.7
BIOLOGICAL SCIENCES	93	76	66	-10.8	-18.3	-6.8
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	0	0	1	..	..	..
BIOLOGY	64	47	46	-10.4	-26.6	-1.1
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	3	1	0	-100.0	-66.7	-100.0
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	15	19	16	2.2	26.7	-8.2
MICROBIOLOGY	1	2	2	26.0	100.0	0.0
NUTRITION	2	6	0	-100.0	200.0	-100.0
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	1	..	..	..	-100.0
PHYSIOLOGY	0	0	0	0	0	0
ZOOLOGY	6	0	0	-100.0	-100.0	..
BIOSCIENCES, N.E.C.	2	0	1	-20.6	-100.0	..
HEALTH SCIENCES	97	79	88	-3.2	-18.6	5.5
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	2	8	5	35.7	300.0	-20.9
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	0	0	0	0
PREVENTIVE MEDICINE/COMMUNITY HEALTH	5	3	5	0.0	-40.0	29.1
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	4	25	52	135.1	525.0	44.2
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	0	1	..	..	..	-100.0
CLINICAL MEDICINE, N.E.C.	2	15	0	-100.0	650.0	-100.0
HEALTH RELATED, N.E.C.	84	27	26	-32.4	-67.9	-1.9
PSYCHOLOGY	84	189	135	17.1	125.0	-15.5
SOCIAL SCIENCES	229	300	392	19.6	31.0	14.3
AGRICULTURAL ECONOMICS	3	0	4	10.1	-100.0	..
ANTHROPOLOGY	6	3	0	-100.0	-50.0	-100.0
ECONOMICS (EXCEPT AGRICULTURAL)	40	36	40	0.0	-10.0	5.4
GEOGRAPHY	8	0	0	-100.0	-100.0	..
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	1	0	0	-100.0	-100.0	..
POLITICAL SCIENCE	66	125	103	16.0	89.4	-9.2
SOCIOLOGY	42	40	63	14.5	-4.8	25.5
SOCIOLOGY/ANTHROPOLOGY	0	0	0	0	0	0
SOCIAL SCIENCES, N.E.C.	63	96	182	42.4	52.4	37.7

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-13. SELF-SUPPORTED FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	10,627	11,538	12,754	6.3	8.6	5.1
ENGINEERING	584	618	783	10.2	5.6	12.6
AERONAUTICAL	6	9	0	-100.0	12.5	-100.0
AGRICULTURAL	3	7	5	18.6	133.3	-15.5
BIOMEDICAL	1	0	16	..	..	..
CHEMICAL	23	18	24	1.4	-21.7	15.5
CIVIL	56	83	108	24.5	48.2	14.1
ELECTRICAL	59	128	145	34.9	116.9	6.4
ENGINEERING SCIENCE	5	12	5	0.0	140.0	-35.5
INDUSTRIAL	55	96	31	-17.4	74.5	-43.2
MECHANICAL	35	56	61	20.3	60.0	4.4
METALLURGICAL/MATERIALS	4	4	3	-9.1	0.0	-13.4
MINING	1	0	0	..	..	..
NUCLEAR	1	1	0	..	..	-100.0
PETROLEUM	1	0	0	..	..	..
ENGINEERING, N.E.C.	337	204	385	4.5	-39.5	37.4
PHYSICAL SCIENCES	196	245	182	-2.4	25.0	-13.8
ASTRONOMY	1	0	0	0	0	0
CHEMISTRY	134	175	124	-2.0	30.6	-15.1
PHYSICS	41	39	43	1.6	-4.9	5.0
PHYSICAL SCIENCES, N.E.C.	21	31	13	-14.8	47.6	-35.2
ENVIRONMENTAL SCIENCES	129	191	175	10.7	48.1	-4.3
ATMOSPHERIC SCIENCES	1	2	0	..	..	-100.0
GEOSCIENCES	56	57	96	19.7	1.8	29.8
OCEANOGRAPHY	19	18	5	-35.9	-5.3	-47.3
ENVIRONMENTAL SCIENCES, N.E.C.	54	114	74	11.1	111.1	-19.4
MATHEMATICAL SCIENCES	640	518	788	7.2	-19.1	23.3
COMPUTER SCIENCE	278	262	521	23.3	-5.8	41.0
MATHEMATICS AND APPLIED MATHEMATICS	341	243	266	-7.9	-28.7	4.6
STATISTICS	21	13	1	-63.6	-38.1	-72.3
LIFE SCIENCES	2,585	2,567	2,723	1.7	-0.7	3.0
AGRICULTURAL SCIENCES	410	331	467	4.4	-19.3	18.8
BIOLOGICAL SCIENCES	1,155	1,108	1,119	-1.0	-4.1	0.5
ANATOMY	1	0	0	0	0	0
BIOCHEMISTRY	19	10	11	-16.7	-47.4	4.9
BIOLOGY	983	898	985	0.1	-8.6	4.7
BIOMETRY/EPIDEMIOLOGY	1	0	0	0	0	0
BIOPHYSICS	1	0	0	0	0	0
BOTANY	26	6	6	-33.1	-70.0	0.0
CELL BIOLOGY	1	0	0	0	0	0
ECOLOGY	1	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	1	0	0	0	0	0
GENETICS	17	19	27	16.7	11.8	19.2
MICROBIOLOGY	49	84	18	-28.4	71.4	-53.7
NUTRITION	24	65	46	24.2	170.8	-15.9
PATHOLOGY	1	0	0	0	0	0
PHARMACOLOGY	1	2	5	..	..	58.1
PHYSIOLOGY	1	0	0	..	..	..
ZOOLOGY	27	19	9	-30.7	-29.6	-31.2
BIOSCIENCES, N.E.C.	16	5	12	-9.1	-68.8	54.9
HEALTH SCIENCES	1,020	1,128	1,137	3.7	10.6	0.4
ANESTHESIOLOGY	1	0	0	0	0	0
CARDIOLOGY	1	0	0	0	0	0
CLINICAL PHARMACOLOGY	1	0	0	0	0	0
DENTISTRY	1	0	0	0	0	0
ENDOCRINOLOGY	1	0	0	0	0	0
GASTROENTEROLOGY	1	0	0	0	0	0
HEMATOLOGY	1	0	0	0	0	0
NEUROLOGY	1	0	0	0	0	0
NURSING	134	238	72	-18.7	77.6	-45.0
OBSTETRICS/GYNECOLOGY	1	0	0	0	0	0
OPHTHALMOLOGY	2	2	0	-100.0	0.0	-100.0
OTORHINOLARYNGOLOGY	1	0	0	0	0	0
PEDIATRICS	1	0	0	0	0	0
PHARMACEUTICAL SCIENCES	1	2	2	..	..	0.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	16	8	24	14.5	-50.0	73.2
PSYCHIATRY	1	0	0	0	0	0
PULMONARY DISEASE	1	0	0	0	0	0
RADIOLOGY	1	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	362	367	403	10.1	21.5	4.8
SURGERY	1	0	0	0	0	0
VETERINARY SCIENCES	16	9	2	-50.0	-43.8	-52.9
CLINICAL MEDICINE, N.E.C.	2	16	30	146.6	700.0	36.9
HEALTH RELATED, N.E.C.	548	486	604	3.3	-11.3	11.5
PSYCHOLOGY	3,025	2,892	4,066	10.4	-4.4	18.6
SOCIAL SCIENCES	3,467	4,507	4,037	5.2	30.0	-5.4
AGRICULTURAL ECONOMICS	5	12	11	30.1	140.0	-4.3
ANTHROPOLOGY	96	128	90	-2.1	33.3	-16.1
ECONOMICS (EXCEPT AGRICULTURAL)	230	208	140	-15.3	-9.6	-18.0
GEOGRAPHY	133	92	113	-5.3	-30.8	10.8
HISTORY AND PHILOSOPHY OF SCIENCE	1	0	0	0	0	0
LINGUISTICS	107	65	58	-18.5	-39.3	-5.5
POLITICAL SCIENCE	1,039	1,407	1,148	3.4	35.4	-9.7
SOCIOLOGY	483	497	578	6.2	2.9	7.8
SOCIOLOGY/ANTHROPOLOGY	1	2	2	26.0	100.0	0.0
SOCIAL SCIENCES, N.E.C.	1,373	2,096	1,897	11.4	52.7	-4.9

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-14. FULL-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY GEOGRAPHIC DISTRIBUTION: 1976-79

DIVISION AND STATE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL INSTITUTIONS	16,329	17,039	19,274	5.7	9.2	3.9
NEW ENGLAND	1,066	1,309	1,285	6.4	22.8	-0.9
CONNECTICUT	169	242	365	29.3	43.2	22.8
MAINE	0	0	0	..	..	..
MASSACHUSETTS	324	449	301	-2.4	38.6	-18.1
NEW HAMPSHIRE	3	0	2	-12.6	-100.0	..
RHODE ISLAND	12	26	36	44.2	116.7	17.7
VERMONT	558	592	581	1.4	6.1	-0.9
MIDDLE ATLANTIC	2,034	2,382	2,246	3.4	17.1	-2.9
NEW JERSEY	126	139	118	-2.2	10.3	-7.9
NEW YORK	1,541	1,750	1,671	2.7	13.6	-2.3
PENNSYLVANIA	367	493	457	7.6	34.3	-3.7
EAST NORTH CENTRAL	1,987	1,791	2,618	9.6	-9.9	20.9
ILLINOIS	943	988	1,105	5.4	4.8	5.8
INDIANA	72	58	63	-4.4	-19.4	4.2
MICHIGAN	518	206	193	-28.0	-60.2	-3.2
OHIO	152	201	697	66.1	32.2	86.2
WISCONSIN	342	338	560	22.9	11.9	28.7
WEST NORTH CENTRAL	1,008	930	840	-5.9	-7.7	-5.0
IOWA	252	147	37	-47.2	-41.7	-49.8
KANSAS	316	380	235	-9.4	20.3	-21.4
MINNESOTA	218	169	324	14.1	-22.5	38.5
MISSOURI	219	230	239	3.0	5.0	1.9
NEBRASKA	3	4	5	18.6	33.3	11.8
NORTH DAKOTA	0	0	0	..	..	..
SOUTH DAKOTA	0	0	0	..	..	..
SOUTH ATLANTIC	2,774	2,330	1,983	-10.6	-16.0	-7.7
DELAWARE	0	0	0	..	..	..
DISTRICT OF COLUMBIA	67	61	59	-4.1	-9.0	-1.7
FLORIDA	970	990	705	-10.1	2.1	-15.6
GEORGIA	447	450	198	-23.8	0.7	-33.7
MARYLAND	251	193	361	12.9	-23.1	36.8
NORTH CAROLINA	442	250	277	-14.4	-43.4	5.3
SOUTH CAROLINA	55	46	47	-5.1	-16.4	1.1
VIRGINIA	410	332	332	-6.8	-19.0	0.0
WEST VIRGINIA	132	8	4	-68.8	-93.9	-29.3
EAST SOUTH CENTRAL	819	957	1,116	10.9	16.8	8.0
ALABAMA	186	206	292	16.2	10.8	19.1
KENTUCKY	232	386	328	12.2	66.4	-7.8
MISSISSIPPI	215	175	150	-11.3	-18.6	-7.4
TENNESSEE	186	190	346	23.0	2.2	34.9
WEST SOUTH CENTRAL	1,492	1,621	1,935	9.1	8.6	9.3
ARKANSAS	140	156	154	3.2	11.4	-0.6
LOUISIANA	197	177	150	-8.7	-10.2	-7.9
OKLAHOMA	32	35	63	25.3	9.4	34.2
TEXAS	1,123	1,253	1,568	11.8	11.6	11.9
MOUNTAIN	328	419	428	9.3	27.7	1.1
ARIZONA	0	0	0	..	..	..
COLORADO	27	11	24	-3.9	-59.3	47.7
IDAHO	0	0	0	..	..	..
MONTANA	24	21	29	6.5	-12.5	17.5
NEVADA	161	249	108	-12.5	54.7	-34.1
NEW MEXICO	116	138	267	32.0	19.0	39.1
UTAH	0	0	0	..	..	..
WYOMING	0	0	0	..	..	..
PACIFIC	4,812	6,051	6,805	12.2	25.7	6.0
ALASKA	4	38	37	109.9	850.0	-1.3
CALIFORNIA	4,462	5,513	6,109	11.5	25.2	5.3
HAWAII	0	0	0	..	..	..
OREGON	80	57	56	-11.2	-28.8	-0.9
WASHINGTON	326	443	603	22.8	35.9	16.7
OUTLYING AREAS	9	49	18	26.0	444.4	-39.4

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-15. PART-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	27,925	31,264	34,223	7.0	12.0	4.6
ENGINEERING	2,972	3,630	4,500	14.8	22.1	11.3
AERONAUTICAL	16	13	4	-37.0	-18.8	-44.5
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	5	16	26	73.2	220.0	27.5
CHEMICAL	104	100	134	8.8	-3.8	15.8
CIVIL	502	607	588	5.4	20.9	-1.6
ELECTRICAL	536	795	759	12.3	48.3	-2.3
ENGINEERING SCIENCE	53	154	255	68.8	190.6	28.7
INDUSTRIAL	402	429	307	-8.6	6.7	-15.4
MECHANICAL	329	424	556	19.1	28.9	14.5
METALLURGICAL/MATERIALS	35	58	85	34.4	65.7	21.1
MINING	0	0	0	0	0	0
NUCLEAR	12	14	4	-30.7	16.7	-46.5
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	978	1,020	1,782	22.1	4.3	32.2
PHYSICAL SCIENCES	991	1,100	1,001	0.3	11.0	-4.6
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	716	756	684	-1.5	5.6	-4.9
PHYSICS	217	241	172	-7.5	11.1	-15.5
PHYSICAL SCIENCES, N.E.C.	58	103	145	35.7	77.6	18.6
ENVIRONMENTAL SCIENCES	658	706	639	-1.0	7.3	-4.9
ATMOSPHERIC SCIENCES	0	0	0	0	0	0
GEOLOGICAL	271	309	321	5.8	14.0	1.9
OCEANOGRAPHY	2	13	15	95.7	550.0	7.4
ENVIRONMENTAL SCIENCES, N.E.C.	385	378	294	-8.6	-1.8	-11.8
MATHEMATICAL SCIENCES	2,449	2,587	2,540	1.8	7.4	-0.9
COMPUTER SCIENCE	793	1,066	1,211	19.2	34.4	6.6
MATHEMATICS AND APPLIED MATHEMATICS	1,444	1,342	1,149	-7.3	-7.1	-7.5
STATISTICS	172	179	180	1.5	4.1	0.3
LIFE SCIENCES	6,166	7,170	7,545	7.0	16.3	2.6
AGRICULTURAL SCIENCES	368	430	465	8.1	16.8	4.0
BIOLOGICAL SCIENCES	3,315	3,772	3,570	2.5	13.8	-2.7
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	94	81	85	-3.3	-13.8	2.4
BIOLOGY	2,918	3,155	2,884	-0.4	8.1	-4.4
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	22	6	8	-28.6	-72.7	15.5
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	19	14	5	-35.9	-26.3	-60.2
MICROBIOLOGY	150	179	179	6.1	19.3	0.0
NUTRITION	56	111	167	43.9	90.2	22.7
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	2	6	0	0	73.2
PHYSIOLOGY	0	3	1	0	0	-42.3
ZOOLOGY	8	4	8	0.0	-50.0	61.4
BIOLOGICAL SCIENCES, N.E.C.	48	217	227	67.9	352.1	2.3
HEALTH SCIENCES	2,403	2,968	3,510	12.2	19.5	8.7
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	419	612	1,000	33.6	46.1	27.8
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	2	0	0	-100.0	-100.0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	16	10	0	0	-20.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	40	76	96	33.9	90.0	12.4
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	753	794	979	9.1	5.4	11.0
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	7	5	3	-24.6	-28.6	-22.5
CLINICAL MEDICINE, N.E.C.	43	71	89	27.4	65.1	12.0
HEALTH RELATED, N.E.C.	1,219	1,394	1,333	3.0	14.4	-2.2
PSYCHOLOGY	5,062	6,009	6,063	11.1	20.1	6.9
SOCIAL SCIENCES	9,727	10,062	11,135	4.6	3.4	5.2
AGRICULTURAL ECONOMICS	4	3	5	7.7	-25.0	29.1
ANTHROPOLOGY	273	372	305	3.8	36.3	-9.5
ECONOMICS (EXCEPT AGRICULTURAL)	530	564	608	4.7	6.4	3.8
GEOGRAPHY	463	353	292	-14.2	-23.8	-9.0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	382	371	270	-10.9	-2.9	-14.7
POLITICAL SCIENCE	4,560	5,261	5,882	8.9	15.4	5.7
SOCIOLOGY	835	908	841	0.2	8.7	-3.8
SOCIOLOGY/ANTHROPOLOGY	8	11	19	33.4	37.5	31.4
SOCIAL SCIENCES, N.E.C.	2,672	2,219	2,913	2.9	-17.0	14.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-16. PART-TIME GRADUATE STUDENTS IN PUBLIC MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	19,857	22,138	23,757	6.2	11.5	3.6
ENGINEERING	1,888	2,342	2,951	16.1	24.0	12.3
AERONAUTICAL	13	6	0	-100.0	-53.8	-100.0
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	0	0	18	0	0	0
CHEMICAL	50	63	85	19.3	26.0	16.2
CIVIL	406	523	490	6.5	28.8	-3.2
ELECTRICAL	268	474	382	9.9	64.6	-10.2
ENGINEERING SCIENCE	0	7	19	0	0	64.8
INDUSTRIAL	113	125	86	-8.7	10.6	-17.1
MECHANICAL	167	228	226	10.6	36.5	-0.4
METALLURGICAL/MATERIALS	19	38	54	41.6	100.0	19.2
MINING	0	0	0	0	0	0
NUCLEAR	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	832	878	1,591	24.1	5.5	34.6
PHYSICAL SCIENCES	716	831	695	-1.0	16.1	-8.5
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	499	568	483	-1.3	13.8	-7.8
PHYSICS	174	175	134	-8.3	0.6	-12.5
PHYSICAL SCIENCES, N.E.C.	43	88	78	22.0	104.7	-5.9
ENVIRONMENTAL SCIENCES	641	661	589	-2.8	3.1	-5.6
ATMOSPHERIC SCIENCES	0	0	0	0	0	0
GEOSCIENCES	270	309	321	5.9	14.4	1.9
OCEANOGRAPHY	2	13	15	95.7	550.0	7.4
ENVIRONMENTAL SCIENCES, N.E.C.	369	333	244	-12.9	-9.8	-14.4
MATHEMATICAL SCIENCES	1,694	1,634	1,659	-0.7	-3.5	0.8
COMPUTER SCIENCE	294	349	549	23.1	18.7	25.4
MATHEMATICS AND APPLIED MATHEMATICS	1,366	1,249	1,088	-7.3	-8.6	-6.7
STATISTICS	34	36	22	-13.5	5.9	-21.8
LIFE SCIENCES	4,992	5,719	6,025	6.5	14.6	2.6
AGRICULTURAL SCIENCES	314	346	428	10.9	10.2	11.2
BIOLOGICAL SCIENCES	2,745	3,087	2,674	-0.9	12.5	-6.9
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	29	33	36	7.5	13.8	4.4
BIOLOGY	2,510	2,704	2,220	-4.0	7.7	-9.4
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	21	2	0	-100.0	-90.5	-100.0
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	0	0	0	0	0	0
MICROBIOLOGY	100	113	114	4.5	13.0	0.4
NUTRITION	56	111	167	43.9	98.2	22.7
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	0	0	0	0	0
PHYSIOLOGY	0	0	0	0	0	0
ZOOLOGY	6	3	4	-12.6	-50.0	15.5
BIOSCIENCES, N.E.C.	23	121	133	79.5	426.1	4.8
HEALTH SCIENCES	1,933	2,286	2,923	14.8	18.3	13.1
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	277	452	738	38.6	63.2	27.8
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	0	0	0	0	0	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	0	0	0	0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	40	76	96	33.9	90.0	12.4
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	671	680	834	7.5	1.3	10.7
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	0	0	0	0	0	0
CLINICAL MEDICINE, N.E.C.	43	71	89	27.4	65.1	12.0
HEALTH RELATED, N.E.C.	902	1,007	1,166	8.9	11.6	7.6
PSYCHOLOGY	3,579	4,142	4,605	8.8	15.7	5.4
SOCIAL SCIENCES	6,347	6,809	7,233	4.5	7.3	3.1
AGRICULTURAL ECONOMICS	4	3	5	7.7	-25.0	29.1
ANTHROPOLOGY	269	369	299	3.6	37.2	-10.0
ECONOMICS (EXCEPT AGRICULTURAL)	403	432	412	0.7	7.2	-2.3
GEOGRAPHY	461	342	287	-14.6	-29.8	-8.6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	276	228	260	-2.0	-17.4	6.8
POLITICAL SCIENCE	3,011	3,124	3,474	4.9	3.8	5.5
SOCIOLOGY	675	764	694	0.9	13.2	-4.7
SOCIOLOGY/ANTHROPOLOGY	8	10	19	33.4	25.0	37.8
SOCIAL SCIENCES, N.E.C.	1,240	1,537	1,783	12.9	24.0	7.7

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-17. PART-TIME GRADUATE STUDENTS IN PRIVATE MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	8,668	9,126	10,466	9.1	11.1	7.1
ENGINEERING	1,684	1,288	1,549	12.4	18.8	9.7
AERONAUTICAL	3	7	4	10.1	133.3	-24.4
AGRICULTURAL	0	0	0	0	0	0
BIOMEDICAL	5	16	0	17.0	220.0	-29.3
CHEMICAL	54	37	49	-3.2	-31.5	15.1
CIVIL	96	84	98	3.7	-12.5	8.0
ELECTRICAL	248	321	377	15.0	29.4	8.4
ENGINEERING SCIENCE	53	147	236	64.5	177.4	26.7
INDUSTRIAL	289	304	221	-8.6	5.2	-14.7
MECHANICAL	162	196	330	26.8	21.0	29.8
METALLURGICAL/MATERIALS	16	20	31	24.7	25.0	24.5
MINING	0	0	0	0	0	0
NUCLEAR	12	14	4	-30.7	16.7	-46.5
PETROLEUM	0	0	0	0	0	0
ENGINEERING, N.E.C.	146	142	191	9.4	-2.7	16.0
PHYSICAL SCIENCES	275	269	306	3.6	-2.2	6.7
ASTRONOMY	0	0	0	0	0	0
CHEMISTRY	217	188	201	-2.5	-13.4	3.4
PHYSICS	43	66	38	-4.0	53.5	-24.1
PHYSICAL SCIENCES, N.E.C.	15	15	67	64.7	0.0	111.3
ENVIRONMENTAL SCIENCES	17	45	50	43.3	164.7	5.4
ATMOSPHERIC SCIENCES	0	0	0	0	0	0
GEOSCIENCES	1	0	0	-100.0	-100.0	**
OCEANOGRAPHY	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES, N.E.C.	16	45	50	46.2	181.2	5.4
MATHEMATICAL SCIENCES	715	953	881	7.2	33.3	-3.9
COMPUTER SCIENCE	499	717	662	9.9	43.7	-3.9
MATHEMATICS AND						
APPLIED MATHEMATICS	78	93	61	-7.9	19.2	-19.0
STATISTICS	138	143	158	4.6	3.6	5.1
LIFE SCIENCES	1,174	1,451	1,520	9.0	23.6	2.4
AGRICULTURAL SCIENCES	54	84	37	-11.8	55.6	-33.6
BIOLOGICAL SCIENCES	576	685	896	16.3	20.2	14.4
ANATOMY	0	0	0	0	0	0
BIOCHEMISTRY	65	48	49	-9.0	-26.2	1.0
BIOLOGY	468	451	664	17.6	10.5	21.3
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0
BOTANY	1	4	8	100.0	300.0	41.4
CELL BIOLOGY	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0
GENETICS	19	14	5	-35.9	-26.3	-40.2
MICROBIOLOGY	50	66	65	9.1	32.0	-0.8
NUTRITION	0	0	0	0	0	0
PATHOLOGY	0	0	0	0	0	0
PHARMACOLOGY	0	2	6	**	**	73.2
PHYSIOLOGY	0	3	1	**	**	-42.3
ZOOLOGY	2	1	4	26.0	-50.0	100.0
BIOSCIENCES, N.E.C.	25	96	94	55.5	284.0	-1.0
HEALTH SCIENCES	556	682	587	2.2	24.0	-7.2
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0
NURSING	142	160	262	22.7	12.7	28.0
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0
OPHTHALMOLOGY	2	0	0	-100.0	-100.0	**
OTORHINOLARYNGOLOGY	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	16	10	**	**	-20.9
PREVENTIVE MEDICINE/						
COMMUNITY HEALTH	0	0	0	0	0	0
PSYCHIATRY	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	82	114	145	20.9	39.0	12.8
SURGERY	0	0	0	0	0	0
VETERINARY SCIENCES	7	5	3	-24.6	-28.6	-22.5
CLINICAL MEDICINE, N.E.C.	0	0	0	0	0	0
HEALTH RELATED, N.E.C.	317	387	167	-19.2	22.1	-34.3
PSYCHOLOGY	1,423	1,867	2,258	16.6	31.2	10.0
SOCIAL SCIENCES	3,380	3,253	3,902	4.9	-3.8	9.5
AGRICULTURAL ECONOMICS	0	0	0	0	0	0
ANTHROPOLOGY	4	3	6	14.5	-25.0	41.4
ECONOMICS						
(EXCEPT AGRICULTURAL)	127	132	196	15.6	3.9	21.9
GEOGRAPHY	2	11	5	35.7	450.0	-32.6
HISTORY AND PHILOSOPHY						
OF SCIENCE	0	0	0	0	0	0
LINGUISTICS	106	143	10	-54.5	34.9	-73.6
POLITICAL SCIENCE	1,549	2,137	2,408	15.8	38.0	6.2
SOCIOLOGY	160	144	147	-2.8	-10.0	1.0
SOCIOLOGY/ANTHROPOLOGY	0	1	0	**	**	-100.0
SOCIAL SCIENCES, N.E.C.	1,432	682	1,130	-7.6	-52.4	28.7

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-18. MALE PART-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	17,554	19,261	19,158	3.0	9.7	-0.3
ENGINEERING	2,756	3,433	3,883	12.1	24.6	6.4
AERONAUTICAL	16	13	4	-37.0	-18.8	-64.5
AGRICULTURAL	1	0	0	..	..	..
BIOMEDICAL	5	13	16	47.4	160.0	10.9
CHEMICAL	89	96	115	6.9	7.9	9.4
CIVIL	457	550	491	2.4	20.4	-5.5
ELECTRICAL	520	770	726	11.8	48.1	-2.9
ENGINEERING SCIENCE	52	145	231	64.4	178.8	26.2
INDUSTRIAL	362	401	273	-10.6	6.0	-17.9
MECHANICAL	321	416	535	18.6	29.6	13.4
METALLURGICAL/MATERIALS	34	90	71	27.8	47.1	19.2
MINING	1	0	0	..	..	..
NUCLEAR	11	12	4	-28.6	9.1	-62.3
PETROLEUM	1	0	0	..	..	..
ENGINEERING, N.E.C.	869	963	1,417	17.7	10.8	21.3
PHYSICAL SCIENCES	756	894	676	-3.9	11.6	-10.9
ASTRONOMY	1	0	0	..	..	..
CHEMISTRY	521	545	461	-4.0	4.6	-8.0
PHYSICS	191	254	149	-8.8	12.0	-17.7
PHYSICAL SCIENCES, N.E.C.	44	85	64	13.3	93.2	-13.2
ENVIRONMENTAL SCIENCES	494	534	457	-1.9	8.1	-6.5
ATMOSPHERIC SCIENCES	1	0	0	..	..	..
GEOSCIENCES	213	238	234	3.2	11.7	-0.8
OCEANOGRAPHY	1	9	11	122.4	800.0	10.8
ENVIRONMENTAL SCIENCES, N.E.C.	264	281	214	-8.6	0.4	-17.7
MATHEMATICAL SCIENCES	1,613	1,768	1,675	1.3	9.6	-2.7
COMPUTER SCIENCE	629	844	952	13.2	34.2	4.3
MATHEMATICS AND APPLIED MATHEMATICS	849	788	639	-9.0	-7.2	-9.9
STATISTICS	135	136	124	-2.8	0.7	-4.5
LIFE SCIENCES	3,098	3,360	3,002	-1.0	8.5	-5.5
AGRICULTURAL SCIENCES	298	350	377	8.2	17.4	3.8
BIOLOGICAL SCIENCES	2,086	2,198	1,961	-2.0	5.4	-5.5
ANATOMY	1	0	0	..	..	..
BIOCHEMISTRY	69	50	55	-7.3	-27.5	4.9
BIOLOGY	1,869	1,941	1,695	-3.2	3.9	-6.6
BIOMETRY/EPIDEMIOLOGY	1	0	0	..	..	..
BIOPHYSICS	1	0	0	..	..	..
BOTANY	16	5	6	-27.9	-68.8	9.5
CELL BIOLOGY	1	0	0	..	..	..
ECOLOGY	1	0	0	..	..	..
ENTOMOLOGY/PARASITOLOGY	1	0	0	..	..	..
GENETICS	1	0	0	..	..	..
MICROBIOLOGY	89	96	96	2.6	7.9	0.0
NUTRITION	2	8	6	44.2	360.0	-13.4
PATHOLOGY	1	0	0	..	..	..
PHARMACOLOGY	1	1	4	..	..	100.0
PHYSIOLOGY	1	3	1	..	..	-42.3
ZOOLOGY	5	3	8	17.0	-40.0	63.3
BIOSCIENCES, N.E.C.	36	91	90	35.7	152.8	-0.6
HEALTH SCIENCES	714	812	664	-2.4	13.7	-9.6
ANESTHESIOLOGY	1	0	0	..	..	..
CARDIOLOGY	1	0	0	..	..	..
CLINICAL PHARMACOLOGY	1	0	0	..	..	..
DENTISTRY	1	0	0	..	..	..
ENDOCRINOLOGY	1	0	0	..	..	..
GASTROENTEROLOGY	1	0	0	..	..	..
HEMATOLOGY	1	0	0	..	..	..
NEUROLOGY	1	0	0	..	..	..
NURSING	17	28	42	35.2	64.7	22.5
OBSTETRICS/GYNECOLOGY	1	0	0	..	..	..
OPHTHALMOLOGY	2	0	0	-100.0	-100.0	..
OTORHINOLARYNGOLOGY	1	0	0	..	..	..
PEDIATRICS	1	0	0	..	..	..
PHARMACEUTICAL SCIENCES	1	13	8	..	..	-21.6
PREVENTIVE MEDICINE/COMMUNITY HEALTH	4	31	24	81.7	675.0	-12.0
PSYCHIATRY	1	0	0	..	..	..
PULMONARY DISEASE	1	0	0	..	..	..
RADIOLOGY	1	0	0	..	..	..
SPEECH PATHOLOGY/AUDIOLOGY	64	71	84	9.5	10.9	8.8
SURGERY	1	0	0	..	..	..
VETERINARY SCIENCES	4	3	3	-9.1	-25.0	0.0
CLINICAL MEDICINE, N.E.C.	13	25	23	20.9	92.3	-4.1
HEALTH RELATED, N.E.C.	610	641	480	-7.7	5.1	-13.5
PSYCHOLOGY	2,423	2,759	2,862	5.7	13.9	1.8
SOCIAL SCIENCES	6,414	6,563	6,599	1.0	2.3	0.3
AGRICULTURAL ECONOMICS	4	3	5	7.1	-25.0	29.1
ANTHROPOLOGY	111	164	100	-3.4	47.7	-21.9
ECONOMICS (EXCEPT AGRICULTURAL)	422	449	437	1.2	6.4	-1.3
GEOGRAPHY	336	252	204	-15.0	-25.0	-9.6
HISTORY AND PHILOSOPHY OF SCIENCE	1	0	0	..	..	..
LINGUISTICS	212	185	95	-23.5	-12.7	-28.3
POLITICAL SCIENCE	3,323	3,714	3,787	4.5	11.8	1.0
SOCIOLOGY	455	449	422	-2.5	0.9	-4.1
SOCIOLOGY/ANTHROPOLOGY	3	9	10	49.4	200.0	5.4
SOCIAL SCIENCES, N.E.C.	1,548	1,328	1,537	-0.2	-14.2	7.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-19. FEMALE PART-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL FIELDS	10,371	12,003	15,065	13.3	15.7	12.0
ENGINEERING	216	197	617	41.9	-8.8	77.0
AERONAUTICAL	C	0	0	0	0	0
AGRICULTURAL	C	0	0	0	0	0
BIOMEDICAL	C	3	10	**	**	82.6
CHEMICAL	15	4	19	5.2	-73.3	117.9
CIVIL	45	57	97	29.2	26.7	30.5
ELECTRICAL	16	25	33	27.3	56.3	14.9
ENGINEERING SCIENCE	1	9	24	183.4	800.0	63.3
INDUSTRIAL	20	24	34	19.3	20.0	19.0
MECHANICAL	8	8	21	37.9	0.0	62.0
METALLURGICAL/MATERIALS	1	8	14	141.0	700.0	32.3
MINING	C	0	0	0	0	0
NUCLEAR	1	2	0	-100.0	100.0	-100.0
PETROLEUM	C	0	0	0	0	0
ENGINEERING, N.E.C.	109	57	365	49.6	-47.7	153.1
PHYSICAL SCIENCES	235	256	331	12.1	8.9	13.7
ASTRONOMY	C	0	0	0	0	0
CHEMISTRY	195	211	223	4.6	8.2	2.8
PHYSICS	26	27	27	1.3	3.8	0.0
PHYSICAL SCIENCES, N.E.C.	14	18	81	79.5	28.6	112.1
ENVIRONMENTAL SCIENCES	164	172	172	1.6	4.9	0.0
ATMOSPHERIC SCIENCES	C	0	1	**	**	**
GEOSCIENCES	58	71	87	14.5	22.4	10.7
OCEANOGRAPHY	1	4	4	58.7	300.0	0.0
ENVIRONMENTAL SCIENCES, N.E.C.	105	97	80	-8.7	-7.6	-9.2
MATHEMATICAL SCIENCES	796	819	865	2.8	2.9	2.8
COMPUTER SCIENCE	164	222	299	22.2	75.4	16.1
MATHEMATICS AND APPLIED MATHEMATICS	595	554	510	-5.0	-6.9	-4.1
STATISTICS	37	43	56	14.8	16.2	14.1
LIFE SCIENCES	3,068	3,810	4,543	14.0	24.2	9.2
AGRICULTURAL SCIENCES	70	80	88	7.9	14.3	4.9
BIOLOGICAL SCIENCES	1,229	1,574	1,609	9.4	28.1	1.1
ANATOMY	C	0	0	0	0	0
BIOCHEMISTRY	25	31	30	6.3	24.0	-1.6
BIOLOGY	1,049	1,214	1,189	4.3	15.7	-1.0
BIOMETRY/EPIDEMIOLGY	C	0	0	0	0	0
BIOPHYSICS	C	0	0	0	0	0
BOTANY	6	1	2	-30.7	-83.3	41.4
CELL BIOLOGY	C	0	0	0	0	0
ECOLOGY	C	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	C	0	0	0	0	0
GENETICS	19	14	5	-35.9	-26.3	-40.2
MICROBIOLOGY	61	83	83	10.8	36.1	0.0
NUTRITION	54	103	161	43.9	90.7	25.0
PATHOLOGY	C	0	0	0	0	0
PHARMACOLOGY	C	1	2	**	**	41.4
PHYSIOLOGY	C	0	0	0	0	0
ZOOLOGY	3	1	0	-100.0	-66.7	-100.0
BIOSCIENCES, N.E.C.	12	126	137	125.2	950.0	4.3
HEALTH SCIENCES	1,769	2,156	2,846	17.2	21.9	14.9
ANESTHESIOLOGY	C	0	0	0	0	0
CARDIOLOGY	C	0	0	0	0	0
CLINICAL PHARMACOLOGY	C	0	0	0	0	0
DENTISTRY	C	0	0	0	0	0
ENDOCRINOLOGY	C	0	0	0	0	0
GASTROENTEROLOGY	C	0	0	0	0	0
HEMATOLOGY	C	0	0	0	0	0
NEUROLOGY	C	0	0	0	0	0
NURSING	402	584	958	33.6	45.3	28.1
OBSTETRICS/GYNECOLOGY	C	0	0	0	0	0
OPHTHALMOLOGY	C	0	0	0	0	0
OTORHINOLARYNGOLOGY	C	0	0	0	0	0
PEDIATRICS	C	0	0	0	0	0
PHARMACEUTICAL SCIENCES	C	3	2	**	**	-18.4
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	36	45	72	26.0	25.0	26.5
PSYCHIATRY	C	0	0	0	0	0
PULMONARY DISEASE	C	0	0	0	0	0
RADIOLOGY	C	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	689	723	895	9.1	4.9	11.3
SURGERY	C	0	0	0	0	0
VETERINARY SCIENCES	3	2	0	-100.0	-33.3	-100.0
CLINICAL MEDICINE, N.E.C.	30	46	66	30.1	53.3	19.8
HEALTH RELATED, N.E.C.	609	753	853	11.9	23.6	6.4
PSYCHOLOGY	2,579	3,250	4,001	15.8	26.0	11.0
SOCIAL SCIENCES	3,313	3,499	4,536	11.0	5.6	13.9
AGRICULTURAL ECONOMICS	C	0	0	0	0	0
ANTHROPOLOGY	162	208	205	8.2	28.4	-0.7
ECONOMICS (EXCEPT AGRICULTURAL)	108	115	171	16.6	6.5	21.9
GEOGRAPHY	127	101	86	-12.2	-20.5	-7.7
HISTORY AND PHILOSOPHY OF SCIENCE	C	0	0	0	0	0
LINGUISTICS	170	186	175	1.0	9.4	-3.0
POLITICAL SCIENCE	1,237	1,547	2,095	19.2	25.1	16.4
SOCIOLOGY	380	449	419	3.3	18.2	-3.4
SOCIOLOGY/ANTHROPOLOGY	5	2	9	21.6	-60.0	112.1
SOCIAL SCIENCES, N.E.C.	1,124	891	1,376	7.0	-20.7	24.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-20. PART-TIME GRADUATE STUDENTS IN MASTER'S-GRANTING INSTITUTIONS
BY GEOGRAPHIC DISTRIBUTION: 1976-79

DIVISION AND STATE	NUMBER			AVERAGE ANNUAL PERCENT CHANGE		
	1976	1977	1979	1976-79	1976-77	1977-79
TOTAL, ALL INSTITUTIONS	27,925	31,264	34,223	7.0	12.0	4.6
NEW ENGLAND	1,916	2,861	3,624	23.7	49.3	12.5
CONNECTICUT	1,235	1,816	2,401	24.8	47.0	15.0
MAINE	C	0	0	**	**	**
MASSACHUSETTS	533	899	1,079	26.5	68.7	9.6
NEW HAMPSHIRE	64	52	41	-13.8	-18.8	-11.2
RHODE ISLAND	46	52	76	18.2	13.0	20.9
VERMONT	38	42	27	-10.8	10.5	-19.8
MIDDLE ATLANTIC	6,472	6,698	7,018	2.7	3.5	2.4
NEW JERSEY	1,450	1,362	1,412	-0.9	-6.1	1.8
NEW YORK	3,331	3,667	3,786	4.4	10.1	1.6
PENNSYLVANIA	1,691	1,669	1,820	2.5	-1.3	4.4
EAST NORTH CENTRAL	3,484	3,305	3,778	2.7	-5.1	6.9
ILLINOIS	2,340	1,994	2,301	-0.6	-14.8	7.4
INDIANA	277	467	436	16.3	68.6	-3.4
MICHIGAN	262	280	278	2.0	6.9	-0.4
OHIO	320	247	162	-20.3	-22.8	-19.0
WISCONSIN	285	317	601	28.2	11.2	37.7
WEST NORTH CENTRAL	615	728	776	8.1	18.4	3.2
IOWA	97	178	106	3.0	83.5	-22.8
KANSAS	238	200	198	-5.9	-16.0	-0.5
MINNESOTA	170	203	302	21.1	19.4	22.0
MISSOURI	104	137	164	16.4	31.7	9.4
NEBRASKA	6	10	6	0.0	66.7	-22.5
NORTH DAKOTA	C	0	0	**	**	**
SOUTH DAKOTA	C	0	0	**	**	**
SOUTH ATLANTIC	3,276	2,908	3,999	6.9	-11.2	17.3
DELAWARE	C	0	0	**	**	**
DISTRICT OF COLUMBIA	37	38	35	-1.8	2.7	-4.0
FLORIDA	693	828	945	10.9	19.5	6.8
GEORGIA	230	202	304	9.7	-12.2	22.7
MARYLAND	1,155	971	1,741	14.7	-15.9	33.9
NORTH CAROLINA	242	153	165	-12.0	-36.8	3.8
SOUTH CAROLINA	76	66	103	10.7	-13.2	24.9
VIRGINIA	480	492	590	7.1	2.5	9.5
WEST VIRGINIA	363	158	116	-31.6	-56.5	-14.3
EAST SOUTH CENTRAL	783	915	1,298	18.4	16.9	19.1
ALABAMA	102	143	281	40.2	40.2	40.2
KENTUCKY	148	204	360	34.5	37.8	32.8
MISSISSIPPI	134	157	140	1.5	17.2	-5.6
TENNESSEE	399	411	517	9.0	3.0	12.2
WEST SOUTH CENTRAL	2,057	2,399	2,739	10.0	16.6	6.9
ARKANSAS	258	191	269	1.4	-26.0	18.7
LOUISIANA	162	154	139	-5.0	-4.9	-5.0
OKLAHOMA	24	43	87	53.6	79.2	42.2
TEXAS	1,613	2,011	2,244	11.6	24.7	5.6
MOUNTAIN	25	93	182	93.8	272.0	39.9
ARIZONA	C	0	0	**	**	**
COLORADO	4	7	9	31.0	75.0	13.4
IDAHO	C	0	0	**	**	**
MONTANA	1	0	2	26.0	-100.0	**
NEVADA	C	0	101	**	**	**
NEW MEXICO	20	86	70	51.8	330.0	-9.8
UTAH	C	0	0	**	**	**
WYOMING	C	0	0	**	**	**
PACIFIC	9,284	11,343	10,788	5.1	27.2	-2.5
ALASKA	75	168	149	25.7	124.0	-5.8
CALIFORNIA	8,597	10,741	10,034	5.3	24.9	-3.3
HAWAII	C	0	0	**	**	**
OREGON	69	84	74	2.4	21.7	-6.1
WASHINGTON	543	350	531	-0.7	-35.5	23.2
OUTLYING AREAS	13	14	21	17.3	7.7	22.5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE D-1. DEPARTMENTAL POPULATION AT DOCTORATE-GRANTING INSTITUTIONS
BY FIELD OF SCIENCE: 1974-79

FIELD OF SCIENCE	1974	1975	1976	1977	1978	1979
TOTAL, ALL FIELDS	7,551	7,708	7,824	8,079	8,223	8,360
ENGINEERING	1,009	1,016	1,016	1,022	1,021	1,025
AERONAUTICAL	41	39	37	37	36	35
AGRICULTURAL	45	47	47	45	44	43
BIOMEDICAL	34	35	36	37	38	36
CHEMICAL	118	119	118	120	120	121
CIVIL	139	144	142	144	142	142
ELECTRICAL	147	147	146	146	146	148
ENGINEERING SCIENCE	59	56	57	56	56	57
INDUSTRIAL	101	103	104	104	101	97
MECHANICAL	136	135	134	137	136	136
METALLURGICAL/MATERIALS	68	69	67	68	67	70
MINING	19	18	18	19	20	21
NUCLEAR	32	33	32	31	33	32
PETROLEUM	13	15	15	14	14	14
ENGINEERING, N.E.C.	57	56	63	64	68	73
PHYSICAL SCIENCES	515	527	517	521	519	521
ASTRONOMY	32	34	30	30	31	30
CHEMISTRY	242	246	244	245	244	247
PHYSICS	232	23	236	237	235	235
PHYSICAL SCIENCES, N.E.C.	9	10	7	9	9	9
ENVIRONMENTAL SCIENCES	256	260	270	278	285	288
ATMOSPHERIC SCIENCES	27	26	29	30	30	29
GEOSCIENCES	174	176	178	177	179	182
OCEANOGRAPHY	35	36	37	39	39	38
ENVIRONMENTAL SCIENCES, N.E.C.	20	22	26	32	37	39
MATHEMATICAL SCIENCES	372	384	394	400	410	421
COMPUTER SCIENCE	82	89	94	96	102	109
MATHEMATICS AND APPLIED MATHEMATICS	245	249	252	254	256	259
STATISTICS	45	46	48	50	52	53
LIFE SCIENCES	4,070	4,170	4,221	4,395	4,495	4,585
AGRICULTURAL SCIENCES	317	310	310	311	305	311
BIOLOGICAL SCIENCES	1,466	1,486	1,476	1,519	1,564	1,616
ANATOMY	101	99	99	102	110	114
BIOCHEMISTRY	158	155	153	157	166	171
BIOLOGY	182	190	191	195	195	200
BIOMETRY/EPIDEMIOLOGY	34	32	32	39	39	38
BIOPHYSICS	34	38	35	34	36	39
BOTANY	86	84	84	83	82	82
CELL BIOLOGY	25	25	25	27	29	29
ECOLOGY	14	15	18	19	19	20
ENTOMOLOGY/PARASITOLOGY	44	47	47	46	48	47
GENETICS	51	50	50	53	54	57
MICROBIOLOGY	169	173	172	178	179	187
NUTRITION	72	70	69	72	76	81
PATHOLOGY	134	137	137	141	145	146
PHARMACOLOGY	126	132	132	139	147	150
PHYSIOLOGY	129	129	125	131	135	143
ZOOLOGY	64	62	60	55	53	54
BIOSCIENCES, N.E.C.	43	48	47	48	51	58
HEALTH SCIENCES	2,287	2,374	2,435	2,565	2,626	2,658
ANESTHESIOLOGY	93	96	94	99	98	98
CARDIOLOGY	100	96	97	97	97	91
CLINICAL PHARMACOLOGY	21	22	22	23	23	24
DENTISTRY	54	73	96	129	134	132
ENDOCRINOLOGY	94	97	99	98	98	93
GASTROENTEROLOGY	86	85	86	86	86	82
HEMATOLOGY	92	91	90	89	89	85
NEUROLOGY	99	106	108	109	111	114
NURSING	39	46	58	80	84	88
OBSTETRICS/GYNECOLOGY	105	108	107	106	105	106
OPHTHALMOLOGY	95	97	98	98	99	99
OTORHINOLARYNGOLOGY	93	93	94	93	93	92
PEDIATRICS	107	107	108	108	108	109
PHARMACEUTICAL SCIENCES	72	73	71	83	84	86
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	141	146	144	147	145	138
PSYCHIATRY	101	104	104	105	104	109
PULMONARY DISEASE	84	86	86	85	85	82
RADIOLOGY	121	123	121	123	125	128
SPEECH PATHOLOGY/AUDIOLOGY ..	74	79	75	84	92	99
SURGERY	224	234	239	242	245	257
VETERINARY SCIENCES	60	58	58	62	63	65
CLINICAL MEDICINE, N.E.C.	263	284	300	327	355	362
HEALTH RELATED, N.E.C.	69	70	80	92	103	119
PSYCHOLOGY	278	283	292	309	314	317
SOCIAL SCIENCES	1,051	1,068	1,114	1,154	1,179	1,203
AGRICULTURAL ECONOMICS	45	47	47	47	47	47
ANTHROPOLOGY	102	104	105	105	108	107
ECONOMICS (EXCEPT AGRICULTURAL)	183	185	186	186	186	183
GEOGRAPHY	86	85	86	90	92	94
HISTORY AND PHILOSOPHY OF SCIENCE	27	27	26	26	26	27
LINGUISTICS	73	75	73	71	72	77
POLITICAL SCIENCE	226	231	256	274	278	291
SOCIOLOGY	201	199	206	212	214	212
SOCIOLOGY/ANTHROPOLOGY	28	29	29	31	31	32
SOCIAL SCIENCES, N.E.C.	80	86	100	112	125	133

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE D-2. DEPARTMENTAL POPULATION AT MASTER'S-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1976-79

FIELD OF SCIENCE	1976	1977	1979
TOTAL, ALL FIELDS	1,243	1,386	1,436
ENGINEERING	127	152	152
AERONAUTICAL	3	2	1
AGRICULTURAL	1	1	1
BIOMEDICAL	1	1	3
CHEMICAL	7	8	9
CIVIL	17	21	20
ELECTRICAL	21	27	26
ENGINEERING SCIENCE	8	11	11
INDUSTRIAL	16	19	15
MECHANICAL	15	19	19
METALLURGICAL/MATERIALS	4	4	4
MINING	4	1	1
NUCLEAR	2	2	1
PETROLEUM	1	1	1
ENGINEERING, N.E.C.	27	35	40
PHYSICAL SCIENCES	168	173	164
ASTRONOMY	0	0	0
CHEMISTRY	105	106	102
PHYSICS	54	56	54
PHYSICAL SCIENCES, N.E.C.	9	11	8
ENVIRONMENTAL SCIENCES	43	46	49
ATMOSPHERIC SCIENCES	0	1	1
GEOSCIENCES	27	27	26
OCEANOGRAPHY	3	2	2
ENVIRONMENTAL SCIENCES, N.E.C.	13	16	20
MATHEMATICAL SCIENCES	149	163	162
COMPUTER SCIENCE	21	27	29
MATHEMATICS AND APPLIED MATHEMATICS	125	133	129
STATISTICS	3	3	4
LIFE SCIENCES	285	326	346
AGRICULTURAL SCIENCES	22	24	28
BIOLOGICAL SCIENCES	192	218	218
ANATOMY	0	0	0
BIOCHEMISTRY	5	7	7
BIOLOGY	155	168	171
BIOMETRY/EPIDEMIOLOGY	0	0	0
BIOPHYSICS	0	0	0
BOTANY	6	5	4
CELL BIOLOGY	0	0	0
ECOLOGY	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0
GENETICS	1	1	1
MICROBIOLOGY	7	9	9
NUTRITION	5	8	7
PATHOLOGY	0	0	0
PHARMACOLOGY	1	3	3
PHYSIOLOGY	1	1	1
ZOOLOGY	4	4	4
BIOSCIENCES, N.E.C.	7	12	11
HEALTH SCIENCES	71	84	100
ANESTHESIOLOGY	0	0	0
CARDIOLOGY	0	0	0
CLINICAL PHARMACOLOGY	0	0	0
DENTISTRY	0	0	0
ENDOCRINOLOGY	0	0	0
GASTROENTEROLOGY	0	0	0
HEMATOLOGY	0	0	0
NEUROLOGY	0	0	0
NURSING	13	15	18
OBSTETRICS/GYNECOLOGY	0	0	0
OPHTHALMOLOGY	1	1	1
OTORHINOLARYNGOLOGY	0	0	0
PEDIATRICS	0	0	0
PHARMACEUTICAL SCIENCES	2	2	2
PREVENTIVE MEDICINE/COMMUNITY HEALTH	1	2	3
PSYCHIATRY	0	0	0
PULMONARY DISEASE	0	0	0
RADIOLOGY	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY ..	30	36	43
SURGERY	0	0	0
VETERINARY SCIENCES	1	1	1
CLINICAL MEDICINE, N.E.C.	1	1	1
HEALTH RELATED, N.E.C.	22	26	31
PSYCHOLOGY	142	153	181
SOCIAL SCIENCES	329	373	382
AGRICULTURAL ECONOMICS	2	2	2
ANTHROPOLOGY	12	15	15
ECONOMICS (EXCEPT AGRICULTURAL)	48	50	50
GEOGRAPHY	27	28	27
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0
LINGUISTICS	12	11	9
POLITICAL SCIENCE	116	134	129
SOCIOLOGY	60	68	76
SOCIOLOGY/ANTHROPOLOGY	3	3	3
SOCIAL SCIENCES, N.E.C.	49	62	71

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE D-3. DOCTORATE-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST-DOCTORATES
TOTAL, ALL INSTITUTIONS	321,770	224,057	97,713	18,589
1 UNIVERSITY OF SOUTHERN CALIFORNIA	7,869	3,310	4,559	309
2 UNIVERSITY OF CALIF AT BERKELEY	5,640	5,411	229	415
3 UNIVERSITY OF WISCONSIN - MADISON	5,035	4,487	548	434
4 UNIVERSITY OF MINNESOTA	4,993	4,259	734	309
5 UNIVERSITY OF MICHIGAN	4,724	4,237	487	166
6 OHIO STATE UNIVERSITY	4,608	3,787	821	204
7 UNIVERSITY OF WASHINGTON	4,529	3,515	1,014	357
8 NEW YORK UNIVERSITY	4,490	1,603	2,887	153
9 RUTGERS THE STATE UNIVERSITY	4,185	1,676	2,509	77
10 UNIVERSITY OF CALIF AT LOS ANGELES	4,184	4,007	177	404
TOTAL, 1ST 10 INSTS.	50,257	36,292	13,965	2,828
11 UNIVERSITY OF ILLINOIS - URBANA	4,039	3,891	148	216
12 MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,887	3,822	65	448
13 UNIV OF TEXAS AT AUSTIN	3,666	3,042	624	158
14 UNIVERSITY OF COLORADO	3,596	2,466	1,130	192
15 STANFORD UNIVERSITY	3,529	3,213	316	406
16 PURDUE UNIVERSITY	3,527	2,975	552	173
17 MICHIGAN STATE UNIVERSITY	3,316	2,872	444	129
18 GEORGE WASHINGTON UNIVERSITY	3,314	675	2,639	18
19 NORTHEASTERN UNIVERSITY	3,296	992	2,304	26
20 UNIVERSITY OF PITTSBURGH	3,154	1,692	1,462	116
TOTAL, 1ST 20 INSTS.	85,581	61,932	23,649	4,790
21 PENNSYLVANIA STATE UNIVERSITY	3,142	2,310	832	79
22 UNIVERSITY OF TENNESSEE AT KNOXVILLE	3,095	2,229	866	108
23 TEXAS A & M UNIVERSITY	3,048	2,514	534	101
24 UNIVERSITY OF ARIZONA	2,839	2,259	580	171
25 CORNELL UNIVERSITY	2,832	2,811	21	367
26 COLUMBIA UNIV MAIN DIVISION	2,832	2,143	689	335
27 UNIVERSITY OF MARYLAND - COLLEGE PARK	2,684	1,396	1,288	66
28 UNIVERSITY OF CALIF AT DAVIS	2,496	2,392	104	133
29 HARVARD UNIVERSITY	2,471	2,393	78	1,037
30 UNIVERSITY OF CINCINNATI	2,416	1,353	1,063	49
TOTAL, 1ST 30 INSTS.	113,436	83,732	29,704	7,236
31 UNIV OF NORTH CAROLINA AT CHAPEL HILL	2,388	2,152	236	198
32 IOWA STATE UNIVERSITY OF SCI & TECH	2,370	1,884	486	74
33 UNIVERSITY OF FLORIDA	2,315	2,071	244	124
34 UNIVERSITY OF KANSAS	2,295	1,666	629	127
35 SUNY - STONY BROOK	2,272	1,653	619	148
36 UNIVERSITY OF PENNSYLVANIA	2,267	1,691	576	367
37 VIRGINIA POLYTECHNIC INST AND STATE UNIV	2,252	1,683	569	51
38 NORTH CAROLINA STATE UNIV AT RALEIGH	2,162	1,716	446	63
39 POLYTECHNIC INSTITUTE OF NEW YORK	2,151	327	1,824	15
40 WAYNE STATE UNIVERSITY	2,144	1,365	779	66
TOTAL, 1ST 40 INSTS.	136,052	99,940	36,112	8,469
41 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE	2,129	1,390	739	78
42 UNIVERSITY OF IOWA	2,015	1,510	505	187
43 SUNY - BUFFALO	2,008	1,337	671	103
44 UNIVERSITY OF CONNECTICUT	2,000	1,512	488	90
45 AMERICAN UNIVERSITY	1,980	960	1,020	2
46 LONG ISLAND UNIVERSITY	1,962	438	1,524	3
47 WEST VIRGINIA UNIVERSITY	1,959	1,268	691	34
48 UNIVERSITY OF MISSOURI - COLUMBIA	1,956	1,570	386	57
49 UNIVERSITY OF UTAH	1,953	1,477	476	105
50 UNIVERSITY OF MASSACHUSETTS AT AMHERST	1,952	1,687	265	69
TOTAL, 1ST 50 INSTS.	155,966	113,089	42,877	9,197
51 SYRACUSE UNIVERSITY	1,916	1,169	747	34
52 BOSTON UNIVERSITY	1,907	1,253	654	81
53 ARIZONA STATE UNIVERSITY	1,838	974	864	30
54 FLORIDA INSTITUTE OF TECHNOLOGY	1,830	438	1,392	0
55 INDIANA UNIVERSITY - BLOOMINGTON	1,818	1,518	300	82
56 GEORGIA INSTITUTE OF TECHNOLOGY	1,815	1,393	422	50
57 UNIVERSITY OF SOUTH CAROLINA	1,772	1,035	737	43
58 SAN DIEGO STATE UNIVERSITY	1,750	1,060	690	6
59 UNIVERSITY OF WISCONSIN - MILWAUKEE	1,740	909	831	21
60 OREGON STATE UNIVERSITY	1,739	1,555	184	56
TOTAL, 1ST 60 INSTS.	174,091	124,393	49,698	9,600

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TABLE D-3. DOCTORATE-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
61 COLORADO STATE UNIVERSITY	1,734	1,445	289	79
62 CATHOLIC UNIVERSITY OF AMERICA	1,721	712	1,009	21
63 CUNY GRADUATE SCHOOL AND UNIV CENTER	1,715	1,590	125	61
64 UNIVERSITY OF KENTUCKY	1,682	1,281	401	66
65 UNIV OF TEXAS AT ARLINGTON	1,673	877	796	19
66 FLORIDA STATE UNIVERSITY	1,666	1,330	336	55
67 UNIVERSITY OF GEORGIA	1,646	1,472	174	74
68 CASE WESTERN RESERVE UNIVERSITY	1,597	1,262	335	188
69 UNIVERSITY OF OKLAHOMA - NORMAN	1,585	1,138	447	21
70 YALE UNIVERSITY	1,551	1,517	34	441
TOTAL, 1ST 70 INSTS.	190,661	137,017	53,644	10,624
71 UNIVERSITY OF HOUSTON	1,535	833	702	57
72 TEXAS WOMAN'S UNIVERSITY	1,516	582	934	1
73 LOUISIANA STATE UNIVERSITY SYSTEM	1,515	1,193	322	95
74 UNIVERSITY OF HAWAII AT MANOA	1,481	1,348	133	76
75 TEMPLE UNIVERSITY	1,480	967	513	103
76 WASHINGTON STATE UNIVERSITY	1,476	1,248	228	44
77 ILLINOIS INSTITUTE OF TECHNOLOGY	1,474	372	1,102	18
78 RENSSELAER POLYTECHNIC INSTITUTE	1,462	1,094	368	55
79 UNIVERSITY OF VIRGINIA	1,450	1,232	218	104
80 NORTHWESTERN UNIVERSITY	1,446	1,318	128	146
TOTAL, 1ST 80 INSTS.	205,496	147,204	58,292	11,323
81 VIRGINIA COMMONWEALTH UNIVERSITY	1,440	847	593	85
82 UNIVERSITY OF CHICAGO	1,425	1,399	26	219
83 WASHINGTON UNIVERSITY	1,362	1,170	192	306
84 FAIRLEIGH DICKINSON UNIVERSITY	1,355	251	1,104	0
85 OKLAHOMA STATE UNIVERSITY	1,354	1,095	259	37
86 WESTERN MICHIGAN UNIVERSITY	1,349	592	757	1
87 UNIVERSITY OF MARYLAND - BALT PROF SCH	1,345	800	545	34
88 JOHNS HOPKINS UNIVERSITY	1,305	1,188	117	345
89 UNIVERSITY OF NEBRASKA - LINCOLN	1,297	985	312	53
90 UNIVERSITY OF NEW MEXICO	1,289	865	424	28
TOTAL, 1ST 90 INSTS.	219,017	156,396	62,621	12,431
91 COLUMBIA UNIV TEACHERS COLLEGE	1,257	583	674	0
92 KANSAS STATE UNIV OF AGR & APPLIED SCI	1,218	1,029	189	32
93 NEW SCHOOL FOR SOCIAL RESEARCH	1,168	351	817	0
94 UNIVERSITY OF RHODE ISLAND	1,127	777	350	11
95 UNIVERSITY OF CALIF AT SAN DIEGO	1,127	1,056	71	329
96 UNIVERSITY OF CALIF AT SANTA BARBARA	1,106	1,024	82	53
97 THE UNIVERSITY OF ALABAMA IN BIRMINGHAM	1,072	752	320	164
98 UNIVERSITY OF IDAHO	1,051	495	556	11
99 AUBURN UNIVERSITY	1,045	847	198	16
100 NORTHERN ILLINOIS UNIVERSITY	1,042	608	434	4
TOTAL, 1ST 100 INSTS.	230,230	163,918	66,312	13,051
101 STEVENS INSTITUTE OF TECHNOLOGY	1,041	310	731	10
102 PRINCETON UNIVERSITY	1,035	1,035	0	185
103 UNIVERSITY OF PUERTO RICO - RIO PIEDRAS	1,033	618	415	5
104 GEORGETOWN UNIVERSITY	1,032	824	208	57
105 UNIVERSITY OF DELAWARE	1,031	710	321	48
106 HOWARD UNIVERSITY	1,016	794	222	9
107 UNIVERSITY OF CALIF AT IRVINE	1,013	910	103	120
108 SOUTHERN ILLINOIS UNIV AT CARBONDALE	1,005	528	477	0
109 UNIVERSITY OF AKRON	985	487	498	11
110 DUKE UNIVERSITY	984	972	12	284
TOTAL, 1ST 110 INSTS.	240,405	171,106	69,299	13,780
111 TULANE UNIVERSITY OF LOUISIANA	978	631	347	40
112 UNIVERSITY OF CALIF AT RIVERSIDE	967	915	52	68
113 UNIVERSITY OF DENVER	952	751	201	11
114 UNIVERSITY OF ROCHESTER	950	798	152	167
115 US INTERNATIONAL UNIVERSITY	949	554	395	4
116 TEXAS TECH UNIVERSITY	930	821	109	23
117 UNIVERSITY OF LOUISVILLE	925	537	388	24
118 CARNEGIE-MELLON UNIVERSITY	921	674	247	72
119 UNIVERSITY OF ARKANSAS	912	685	227	9
120 BRIGHAM YOUNG UNIVERSITY	910	710	200	4
TOTAL, 1ST 120 INSTS.	249,799	178,182	71,617	14,202

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TABLE D-3. DOCTORATE-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
121 CLEMSON UNIVERSITY	895	676	219	8
122 CLEVELAND STATE UNIVERSITY	892	269	623	3
123 SUNY - BINGHAMTON	887	511	376	14
124 CALIFORNIA INSTITUTE OF TECHNOLOGY	878	872	6	189
125 DREXEL UNIVERSITY	861	339	522	24
126 UNIVERSITY OF SOUTH FLORIDA	859	513	346	5
127 MEMPHIS STATE UNIVERSITY	853	404	449	1
128 UNIVERSITY OF SANTA CLARA	838	32	806	0
129 SOUTHERN METHODIST UNIVERSITY	837	293	544	3
130 UNIV OF ILLINOIS MED CENTER - CHICAGO	835	544	291	67
TOTAL, 1ST 130 INSTS.	258,434	182,635	75,799	14,516
131 KENT STATE UNIVERSITY	834	599	235	5
132 ST JOHN'S UNIVERSITY	833	270	563	0
133 US NAVAL POSTGRADUATE SCHOOL	831	831	0	0
134 UNIVERSITY OF CALIF AT SAN FRANCISCO	830	779	51	581
135 UNIVERSITY OF LOWELL	825	198	627	0
136 NEW JERSEY INSTITUTE OF TECHNOLOGY	817	103	714	1
137 LOYOLA UNIVERSITY OF CHICAGO	808	495	313	32
138 UTAH STATE UNIVERSITY	803	634	169	16
139 UNIVERSITY OF MIAMI	802	603	199	60
140 ST LOUIS UNIVERSITY	793	495	298	44
TOTAL, 1ST 140 INSTS.	266,610	187,642	78,968	15,255
141 NOVA UNIVERSITY	791	45	746	0
142 THE UNIVERSITY OF ALABAMA	790	594	196	15
143 UNIV OF TEXAS HLTH SCI CTR AT HOUSTON	785	583	202	58
144 ADELPHI UNIVERSITY	783	329	454	99
145 WICHITA STATE UNIVERSITY	770	302	468	0
146 OHIO UNIVERSITY	766	660	106	10
147 MISSISSIPPI STATE UNIVERSITY	765	662	103	13
148 UNIVERSITY OF OREGON	743	668	75	59
149 GEORGIA STATE UNIVERSITY	730	324	406	6
150 WORCESTER POLYTECHNIC INSTITUTE	723	248	475	2
TOTAL, 1ST 150 INSTS.	274,256	192,057	82,199	15,517
151 UNIVERSITY OF MISSOURI - ROLLA	713	408	305	9
152 PORTLAND STATE UNIVERSITY	703	428	275	0
153 SUNY - ALBANY	701	519	182	42
154 VANDERBILT UNIVERSITY	684	603	81	158
155 VILLANOVA UNIVERSITY	680	133	547	0
156 OLD DOMINION UNIVERSITY	664	315	349	8
157 LOMA LINDA UNIVERSITY	659	383	276	1
158 LEHIGH UNIVERSITY	658	448	210	26
159 NEW MEXICO STATE UNIVERSITY	657	517	140	16
160 EAST TEXAS STATE UNIVERSITY	653	407	246	0
TOTAL, 1ST 160 INSTS.	281,028	196,218	84,810	15,777
161 UNIVERSITY OF WYOMING	651	557	94	9
162 NORTH TEXAS STATE UNIVERSITY	648	480	168	8
163 BROWN UNIVERSITY	628	564	64	74
164 UNIVERSITY OF MISSOURI - KANSAS CITY	611	171	440	2
165 MARQUETTE UNIVERSITY	606	329	277	5
166 UNIV OF TEXAS AT DALLAS	601	324	277	15
167 DE PAUL UNIVERSITY	589	268	321	0
168 BOWLING GREEN STATE UNIVERSITY	577	402	175	7
169 UNIV OF TEXAS AT EL PASO	576	269	307	2
170 UNIVERSITY OF NOTRE DAME	568	536	32	40
TOTAL, 1ST 170 INSTS.	287,083	206,118	86,965	15,939
171 UNIVERSITY OF MISSISSIPPI	567	461	106	231
172 RICE UNIVERSITY	564	547	17	55
173 UNIVERSITY OF SOUTHERN MISSISSIPPI	563	403	160	0
174 UNIVERSITY OF DETROIT	554	224	330	0
175 WRIGHT STATE UNIVERSITY	543	352	191	5
176 UNIVERSITY OF OKLAHOMA HEALTH SCI CENTER	528	346	182	15
177 NEW YORK INSTITUTE OF TECHNOLOGY	525	18	507	0
178 BALL STATE UNIVERSITY	522	229	293	0
179 UNIVERSITY OF NEBRASKA - OMAHA	520	278	242	0
180 UNIVERSITY OF DAYTON	520	154	366	1
TOTAL, 1ST 180 INSTS.	292,489	203,130	89,359	16,246

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TABLE D-3. DOCTORATE-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST-DOCTORATES
181 ATLANTA UNIVERSITY	517	419	98	1
182 NORTH DAKOTA STATE UNIVERSITY	511	375	136	9
183 BOSTON COLLEGE	509	424	85	14
184 FORDHAM UNIVERSITY	507	280	227	2
185 UNIVERSITY OF VERMONT & ST AGRIC COLLEGE	506	361	145	55
186 TUFTS UNIVERSITY	503	391	112	145
187 UNIV OF NORTH CAROLINA AT GREENSBORO	503	244	259	0
188 EMORY UNIVERSITY	498	343	155	38
189 PACE UNIVERSITY	493	221	272	0
190 UNIVERSITY OF TOLEDO	489	275	214	4
TOTAL, 1ST 190 INSTS.	297,525	206,463	91,062	16,514
191 UNIVERSITY OF NEW HAMPSHIRE	489	415	74	0
192 MIAMI UNIVERSITY	484	457	27	4
193 COLORADO SCHOOL OF MINES	482	352	130	0
194 UNIVERSITY OF NEVADA AT RENO	477	361	116	14
195 UNIVERSITY OF MAINE AT ORONO	475	355	120	9
196 EAST CAROLINA UNIVERSITY	466	260	206	9
197 THE UNIVERSITY OF ALABAMA IN HUNTSVILLE	451	164	287	13
198 CENTRAL MICHIGAN UNIVERSITY	448	218	230	1
199 HOFSTRA UNIVERSITY	437	316	121	0
200 FLORIDA ATLANTIC UNIVERSITY	430	249	181	3
TOTAL, 1ST 200 INSTS.	302,164	209,610	92,554	16,567
201 UNIVERSITY OF NEW ORLEANS	418	243	175	6
202 ILLINOIS STATE UNIVERSITY	410	306	104	0
203 AIR FORCE INSTITUTE OF TECHNOLOGY	400	287	113	0
204 UNIVERSITY OF MONTANA	382	350	32	3
205 SUNY - COLL OF ENV SCIENCE AND FORESTRY	380	237	143	19
206 MONTANA STATE UNIVERSITY	373	336	37	35
207 YESHIVA UNIVERSITY	360	261	99	163
208 UNIVERSITY OF SOUTHWESTERN LOUISIANA	359	217	142	1
209 UNION OF EXPERIMENTING COLLEGES & UNIVS	357	357	0	0
210 NORTHERN ARIZONA UNIVERSITY	350	219	131	1
TOTAL, 1ST 210 INSTS.	305,953	212,423	93,530	16,795
211 GOLDEN GATE UNIVERSITY	339	80	259	0
212 BRANDEIS UNIVERSITY	325	323	2	76
213 INDIANA STATE UNIVERSITY	311	202	109	1
214 OAKLAND UNIVERSITY	309	150	159	7
215 UNIVERSITY OF MISSOURI - ST LOUIS	309	130	179	3
216 SAN HOUSTON STATE UNIVERSITY	305	126	179	0
217 HAHNEMANN MEDICAL COLLEGE AND HOSPITAL	301	284	17	16
218 UNIVERSITY OF CALIF AT SANTA CRUZ	301	301	0	22
219 CALIF SCH OF PROF PSYCH - LOS ANGELES	293	264	29	0
220 COLLEGE OF WILLIAM AND MARY	291	242	49	4
TOTAL, 1ST 220 INSTS.	309,037	214,525	94,512	16,924
221 DUQUESNE UNIVERSITY	282	131	151	0
222 CLAREMONT UNIV CENTER & GRADUATE SCHOOL	280	146	134	0
223 SOUTH DAKOTA STATE UNIVERSITY	280	173	107	1
224 MARSHALL UNIVERSITY	277	121	156	0
225 SETON HALL UNIVERSITY	275	120	155	1
226 UNIVERSITY OF ALASKA AT FAIRBANKS	270	234	36	3
227 UNIVERSITY OF MARYLAND - BALTIMORE CNTY	268	103	165	13
228 THE FIELDING INSTITUTE	268	268	0	0
229 BAYLOR UNIVERSITY	266	229	37	6
230 UNIVERSITY OF NORTH DAKOTA	264	214	51	8
TOTAL, 1ST 230 INSTS.	311,768	216,264	95,504	16,956
231 STEPHEN F. AUSTIN STATE UNIVERSITY	262	199	63	0
232 UNIVERSITY OF PUERTO RICO MED SCI CAMPUS	260	227	33	0
233 UNIVERSITY OF NEBRASKA MEDICAL CENTER	254	130	124	13
234 INDIANA-PURDUE UNIV AT INDIANAPOLIS	249	191	58	91
235 EAST TENNESSEE STATE UNIVERSITY	244	152	92	0
236 UNIV OF TEXAS HLTH SCI CTR AT DALLAS	241	215	26	140
237 MICHIGAN TECHNOLOGICAL UNIVERSITY	241	237	4	0
238 UNIVERSITY OF PUERTO RICO	240	102	138	9
239 CLARKSON COLLEGE OF TECHNOLOGY	238	193	45	20
240 CALIF SCH OF PROF PSYCH - BERKELEY	235	235	0	0
TOTAL, 1ST 240 INSTS.	314,232	218,145	96,087	17,229

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TABLE D-3. DOCTORATE-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
241 CALIF SCH OF PROF PSYCH - SAN DIEGO	234	234	0	0
242 CLARK UNIVERSITY	222	170	52	2
243 UNIV OF TEXAS HLTH SCI CTR SAN ANTONIO	219	135	84	68
244 IDAHO STATE UNIVERSITY	215	158	57	1
245 UNIVERSITY OF TULSA	214	128	86	1
246 DARTMOUTH COLLEGE	212	205	7	34
247 RUSH UNIVERSITY	193	121	72	18
248 SMITH COLLEGE	189	189	0	0
249 LAMAR UNIVERSITY	179	144	35	22
250 BIOLA COLLEGE	178	132	46	0
TOTAL, 1ST 250 INSTS.	316,287	219,761	96,526	17,375
251 COLLEGE OF MED AND DENT OF NEW JERSEY	176	158	18	38
252 BRYN MAWR COLLEGE	176	59	118	0
253 SOUTH DAKOTA SCHOOL OF MINES AND TECH	172	146	26	0
254 THE WRIGHT INSTITUTE	170	156	14	0
255 CALIF SCH OF PROF PSYCH - FRESNO	163	157	6	0
256 UNIVERSITY OF SOUTH DAKOTA	162	129	33	0
257 FULLER THEOLOGICAL SEMINARY	160	160	0	0
258 UNIVERSITY OF ARKANSAS - MED SCI CAMPUS	153	89	64	6
259 TENNESSEE TECHNOLOGICAL UNIVERSITY	150	103	47	0
260 FORT HAYS STATE UNIVERSITY	149	106	43	0
TOTAL, 1ST 260 INSTS.	317,918	221,023	96,895	17,419
261 WAKE FOREST UNIVERSITY	148	114	34	22
262 TEXAS CHRISTIAN UNIVERSITY	146	126	20	16
263 UNIVERSITY OF SOUTH ALABAMA	142	81	61	14
264 UNIV OF TEXAS MED BRANCH AT GALVESTON	140	124	16	63
265 NEW MEXICO INSTITUTE OF MINING AND TECH	140	140	0	2
266 CALIFORNIA INSTITUTE OF ASIAN STUDIES	138	82	56	0
267 NEW YORK MEDICAL COLLEGE	134	44	90	31
268 LOUISIANA TECH UNIVERSITY	131	99	32	0
269 UNION COLLEGE(NY)	127	39	88	0
270 UNIVERSITY OF NORTHERN IOWA	124	70	54	1
TOTAL, 1ST 270 INSTS.	319,288	221,942	97,346	17,568
271 UNIVERSITY OF NORTHERN COLORADO	121	98	23	0
272 NORTHEAST LOUISIANA UNIVERSITY	117	99	18	0
273 BAYLOR COLLEGE OF MEDICINE	117	117	0	197
274 UNIVERSITY OF TENNESSEE CTR HLTH SCIENCE	117	98	19	46
275 MEEDE UNIVERSITY	115	115	0	0
276 MEDICAL UNIVERSITY OF SOUTH CAROLINA	113	88	25	44
277 ROCKEFELLER UNIVERSITY	106	96	10	212
278 UNIVERSITY OF HEALTH SCIENCES	104	72	32	6
279 SUNY COLLEGE AT BUFFALO	96	57	39	1
280 WESLEYAN UNIVERSITY	94	91	3	12
TOTAL, 1ST 280 INSTS.	320,388	222,873	97,515	18,086
281 MEDICAL COLLEGE OF GEORGIA	94	69	25	14
282 INSTITUTE OF PAPER CHEMISTRY	91	91	0	0
283 MASSACHUSETTS COLLEGE OF PHARMACY	86	39	47	1
284 MEDICAL COLLEGE OF WISCONSIN	86	78	8	14
285 THOMAS JEFFERSON UNIVERSITY	77	71	6	26
286 UNIVERSITY OF THE PACIFIC	77	69	8	0
287 SUNY - DOWNSTATE MEDICAL CENTER	74	73	1	70
288 THE MEDICAL COLLEGE OF PENNSYLVANIA	70	34	36	21
289 UNIVERSITY OF OREGON HEALTH SCI CENTER	63	58	5	33
290 ALBANY MEDICAL COLLEGE	55	53	2	63
TOTAL, 1ST 290 INSTS.	321,161	223,508	97,653	18,328
291 SUNY - UPSTATE MEDICAL CENTER	54	37	17	51
292 ALFRED UNIVERSITY	53	48	5	0
293 WOODS HOLE OCEANOGRAPHIC INSTITUTE	51	51	0	7
294 OREGON GRADUATE CENTER	51	42	9	0
295 MEHARRY MEDICAL COLLEGE	45	45	0	0
296 PHILADELPHIA COLL OF PHARMACY AND SCI	44	38	6	0
297 RAND GRADUATE INSTITUTE POLICY STUDIES	43	43	0	0
298 CREIGHTON UNIVERSITY	40	38	2	4
299 PHILA COLLEGE OF OSTEOPATHIC MEDICINE	34	34	0	0
300 ORAL ROBERTS UNIVERSITY	34	23	11	2
TOTAL, 1ST 300 INSTS.	321,610	223,907	97,703	18,392

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TABLE D-3. DOCTORATE-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
301 UNIFORMED SERV UNIV OF THE HLTH SCIENCES	31	31	0	44
302 MEDICAL COLLEGE OF OHIO AT TOLEDO	28	24	4	0
303 EASTERN VIRGINIA MEDICAL SCHOOL	25	25	0	1
304 ST BONAVENTURE UNIVERSITY	24	21	3	0
305 INSTITUTE OF TEXTILE TECHNOLOGY	17	17	0	0
306 UNIVERSITY OF MASSACHUSETTS AT WORCESTER	12	12	0	20
307 NE OHIO UNIV COL OF MEDICINE	9	9	0	2
308 CATHOLIC UNIVERSITY OF PUERTO RICO	8	8	0	0
309 PROVIDENCE COLLEGE	3	1	2	0
310 SUNY STATE COLLEGE OF OPTOMETRY	3	2	1	2
TOTAL, 1ST 310 INSTS.	321,770	224,057	97,713	18,461
311 CUNY MOUNT SINAI SCHOOL OF MEDICINE	0	0	0	61
312 KANSAS CITY COLL OF OSTEOPATHIC MEDICINE	0	0	0	0
313 OKLAHOMA COLL OF OSTEOD MED & SURGERY	0	0	0	0
314 WEST VIRGINIA SCH OF OSTEOPATHIC MED	0	0	0	0
315 MERCER UNIVERSITY	0	0	0	0
316 KIRKSVILLE COLLEGE OF OSTEOPATHIC MED	0	0	0	3
317 DREW POST-GRADUATE MEDICAL SCHOOL	0	0	0	0
318 COLLEGE OF OSTEOPATHIC MED & SURGERY	0	0	0	0
319 BAYLOR COLLEGE OF DENTISTRY	0	0	0	0
320 TEXAS COLLEGE OF OSTEOPATHIC MEDICINE	0	0	0	7
TOTAL, 1ST 320 INSTS.	321,770	224,057	97,713	18,532
321 UNIV OF TEXAS CANCER CENTER	0	0	0	57
322 CHICAGO COLL OF OSTEOD MED & SURGERY	0	0	0	0
TOTAL, 1ST 322 INSTS.	321,770	224,057	97,713	18,589
SOURCE: NATIONAL SCIENCE FOUNDATION				

TABLE D-4. MASTER'S-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST-DOCTORATES
TOTAL, ALL INSTITUTIONS	53,497	19,274	34,223	50
1 SAN JOSE STATE UNIVERSITY	1,768	494	1,274	0
2 CALIF STATE UNIV AT LONG BEACH	1,667	184	1,483	0
3 CALIF STATE UNIV AT LOS ANGELES	1,513	366	1,147	0
4 CUNY HUNTER COLLEGE	1,187	593	594	6
5 CALIF STATE UNIVERSITY AT SACRAMENTO	1,183	482	701	0
6 CALIF STATE UNIVERSITY AT NORTHRIDGE	1,177	407	765	1
7 SAN FRANCISCO STATE UNIVERSITY	1,149	652	497	0
8 CALIF STATE UNIV AT FULLERTON	1,117	175	942	0
9 UNIVERSITY OF HOUSTON AT CLEAR LAKE CITY	1,017	248	769	0
10 CUNY JOHN JAY COLLEGE OF CRIM JUSTICE	737	125	612	0
TOTAL, 1ST 10 INSTS.	12,510	3,726	8,784	7
11 SANGAMON STATE UNIVERSITY	706	130	576	0
12 MONTCLAIR STATE COLLEGE	696	53	643	0
13 ROOSEVELT UNIVERSITY	667	198	469	0
14 THE HARTFORD GRADUATE CENTER	663	17	646	0
15 MARYWOOD COLLEGE	650	133	517	0
16 UNIVERSITY OF WISCONSIN - STOUT	568	228	340	0
17 GODDARD COLLEGE	568	568	0	0
18 UNIVERSITY OF BRIDGEPORT	565	112	453	1
19 CALIF STATE UNIVERSITY AT FRESNO	559	181	378	0
20 CALIF STATE UNIV AT DOMINGUEZ HILLS	546	331	215	0
TOTAL, 1ST 20 INSTS.	18,698	5,677	13,021	8
21 PEPPERDINE UNIVERSITY	542	375	167	0
22 CALIF STATE UNIV AT HAYWARD	524	88	436	0
23 ANTIOCH UNIVERSITY	511	497	14	0
24 TOWSON STATE UNIVERSITY	503	118	385	0
25 SOUTHWEST TEXAS STATE UNIVERSITY	502	157	345	0
26 ROCHESTER INSTITUTE OF TECHNOLOGY	461	26	435	0
27 MANKATO STATE UNIVERSITY	456	229	227	0
28 UNIVERSITY OF NEW HAVEN	452	48	404	0
29 CUNY CITY COLLEGE	448	155	293	1
30 CALIF STATE POLYTECHNIC UNIV AT POMONA	440	139	301	0
TOTAL, 1ST 30 INSTS.	23,537	7,509	16,028	9
31 LOYOLA COLLEGE	433	100	333	0
32 UNIVERSITY OF CENTRAL FLORIDA	430	177	253	0
33 RUSSELL SAGE COLLEGE	429	42	387	0
34 GEORGE MASON UNIVERSITY	409	81	328	0
35 UNIVERSITY OF HARTFORD	406	131	275	0
36 GOVERNORS STATE UNIVERSITY	392	44	348	0
37 GEORGE WILLIAMS COLLEGE	391	180	211	0
38 CALIF STATE UNIVERSITY AT CHICO	391	335	56	0
39 SOUTHERN ILLINOIS UNIV AT EDWARDSVILLE	389	166	223	0
40 TRINITY UNIVERSITY	389	236	153	0
TOTAL, 1ST 40 INSTS.	27,596	9,001	18,595	9
41 WEST COAST UNIVERSITY	386	386	0	0
42 EASTERN MICHIGAN UNIVERSITY	380	135	245	0
43 CUNY BERNARD BARUCH COLLEGE	370	72	298	0
44 UNIVERSITY OF BALTIMORE	363	0	363	0
45 JOHN F KENNEDY UNIVERSITY	362	163	199	0
46 LOYOLA MARYMOUNT UNIVERSITY	335	190	145	0
47 MOOD COLLEGE	333	34	299	0
48 CHAPMAN COLLEGE	331	119	212	0
49 RIDER COLLEGE	300	6	294	0
50 EASTERN WASHINGTON UNIVERSITY	300	247	53	0
TOTAL, 1ST 50 INSTS.	31,056	10,953	20,703	9
51 UNIVERSITY OF ARKANSAS AT LITTLE ROCK	299	84	215	0
52 BARRY COLLEGE	299	148	151	0
53 NATIONAL UNIVERSITY	299	0	299	0
54 MIDDLE TENNESSEE STATE UNIVERSITY	296	123	173	0
55 MANHATTAN COLLEGE	296	81	215	0
56 UNIVERSITY OF TEXAS AT SAN ANTONIO	291	148	143	0
57 UNIVERSITY OF WEST FLORIDA	283	133	150	0
58 SONOMA STATE UNIVERSITY	280	133	147	0
59 AZUSA PACIFIC COLLEGE	277	177	0	0
60 WESTERN ILLINOIS UNIVERSITY	275	172	103	1
TOTAL, 1ST 60 INSTS.	33,951	11,652	22,299	19

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TABLE D-4. MASTER'S-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
61 EMPORIA STATE UNIVERSITY - KANSAS	260	143	117	0
62 WEST TEXAS STATE UNIVERSITY	257	62	195	0
63 BISCAYNE COLLEGE	255	68	187	0
64 ROLLINS COLLEGE	255	112	143	0
65 COPPIN STATE COLLEGE	255	63	192	0
66 SEATTLE UNIVERSITY	254	78	176	0
67 INDIANA UNIVERSITY OF PENNSYLVANIA	244	45	199	0
68 WEST CHESTER STATE COLLEGE	240	2	238	0
69 TENNESSEE STATE UNIVERSITY	240	113	127	0
70 CALIF POLY STATE UNIV AT SAN LUIS OBISPO	239	109	130	0
TOTAL, 1ST 70 INSTS.	36,450	12,447	24,003	19
71 WESTERN WASHINGTON UNIVERSITY	239	167	72	0
72 NORTHEASTERN ILLINOIS UNIVERSITY	233	9	224	0
73 ASSUMPTION COLLEGE	223	74	149	0
74 UNIVERSITY OF TENNESSEE AT CHATTANOOGA	222	51	171	0
75 SUFFOLK UNIVERSITY	215	36	179	0
76 FRAMINGHAM STATE COLLEGE	215	22	193	0
77 PACIFIC LUTHERAN UNIVERSITY	214	32	182	0
78 EASTERN NEW MEXICO UNIVERSITY	210	158	52	3
79 JACKSON STATE UNIVERSITY	209	112	97	0
80 UNIVERSITY OF NEVADA AT LAS VEGAS	209	108	101	0
TOTAL, 1ST 80 INSTS.	38,639	13,216	25,423	22
81 WESTERN KENTUCKY UNIVERSITY	204	106	98	0
82 COLLEGE OF ST ROSE	204	0	204	0
83 AMERICAN INTERNATIONAL COLLEGE	193	20	173	0
84 CENTRAL MISSOURI STATE UNIVERSITY	192	142	50	0
85 ST MARY'S UNIVERSITY OF SAN ANTONIO	191	69	122	0
86 EASTERN KENTUCKY UNIVERSITY	188	103	85	0
87 CALIF STATE COLLEGE OF STANISLAUS	185	76	109	0
88 CUNY QUEENS COLLEGE	179	83	96	18
89 APPALACHIAN STATE UNIVERSITY	178	120	58	0
90 KEAN COLLEGE OF NEW JERSEY	177	2	175	0
TOTAL, 1ST 90 INSTS.	40,530	13,937	26,593	40
91 EASTERN ILLINOIS UNIVERSITY	175	175	0	0
92 PITTSBURG STATE UNIVERSITY	173	92	81	0
93 SOUTHERN CONNECTICUT STATE COLLEGE	170	37	133	0
94 JAMES MADISON UNIVERSITY	168	98	70	0
95 EDINBURG STATE COLLEGE	167	58	109	0
96 YOUNGSTOWN STATE UNIVERSITY	161	55	106	0
97 WILLIAM PATTERSON COLLEGE	160	31	129	0
98 IONA COLLEGE	158	86	72	0
99 TEXAS SOUTHERN UNIVERSITY	157	109	48	2
100 ALABAMA A & M UNIVERSITY	155	92	63	0
TOTAL, 1ST 100 INSTS.	42,174	14,770	27,404	42
101 GEORGIA COLLEGE	154	5	149	0
102 ANNA MARIA COLLEGE	151	26	125	0
103 WEST GEORGIA COLLEGE	148	85	63	0
104 UNIVERSITY OF LA VERNE	147	80	67	0
105 MILLERSVILLE STATE COLLEGE	145	21	124	0
106 XAVIER UNIVERSITY	144	127	17	0
107 UNIV OF ALASKA AT ANCHORAGE	144	29	115	0
108 UNIVERSITY OF SCRANTON	142	40	97	0
109 RADFORD COLLEGE	137	71	66	0
110 ST JOSEPH COLLEGE	136	0	136	0
TOTAL, 1ST 110 INSTS.	43,622	15,259	28,363	42
111 QUINNIPIAC COLLEGE	134	0	134	0
112 CENTRAL CONNECTICUT STATE COLLEGE	132	2	130	0
113 DRAKE UNIVERSITY	132	37	95	0
114 WAGNER COLLEGE	128	10	118	0
115 UNIVERSITY OF WISCONSIN - OSHKOSH	125	76	47	0
116 CUNY BROOKLYN COLLEGE	122	10	112	0
117 WEST VIRGINIA COLLEGE OF GRAD STUDIES	120	4	116	0
118 VALPARAISO UNIVERSITY	119	4	115	0
119 UNIVERSITY OF EVANSVILLE	119	18	101	0
120 SPALDING COLLEGE	118	14	104	0
TOTAL, 1ST 120 INSTS.	44,869	15,434	29,435	42

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TABLE D-4. MASTER'S-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST-DOCTORATES
121 TEXAS A & I UNIVERSITY	118	107	11	0
122 CALIFORNIA STATE COLLEGE AT BAKERSFIELD	117	15	102	0
123 UNIVERSITY OF TEXAS AT TYLER	117	33	84	0
124 AMERICAN TECHNOLOGICAL UNIVERSITY	116	45	71	0
125 TRENTON STATE COLLEGE	116	14	102	0
126 HUMBOLDT STATE UNIVERSITY	116	81	35	0
127 RHODE ISLAND COLLEGE	112	36	76	0
128 SOUTHEASTERN MASSACHUSETTS UNIVERSITY	112	44	68	0
129 MURRAY STATE UNIVERSITY	112	75	37	0
130 CLARION STATE COLLEGE	108	34	74	0
TOTAL, 1ST 130 INSTS.	46,013	15,918	30,095	42
131 UNIVERSITY OF TEXAS OF THE PERMIAN BASIN	105	2	103	0
132 TROY STATE UNIVERSITY AT MONTGOMERY	104	39	65	0
133 WIDENER COLLEGE	102	5	97	0
134 ARKANSAS STATE UNIVERSITY	102	55	47	0
135 CORPUS CHRISTI STATE UNIVERSITY	102	78	24	0
136 UNIVERSITY OF WISCONSIN - STEVENS POINT	100	100	0	0
137 SHIPPENSBURG STATE COLLEGE	99	9	90	0
138 NORTHWESTERN STATE UNIV OF LOUISIANA	93	68	25	0
139 SUNY COLLEGE AT GENESIO	92	59	33	0
140 NEW MEXICO HIGHLANDS UNIVERSITY	91	81	10	0
TOTAL, 1ST 140 INSTS.	47,003	16,414	30,589	42
141 CENTRAL WASHINGTON UNIVERSITY	90	62	28	0
142 SUNY COLLEGE AT BROCKPORT	88	31	57	0
143 CALIF STATE COLLEGE AT SAN BERNARDINO	88	55	33	0
144 VALDOSTA STATE COLLEGE	87	42	45	0
145 FROSTBURG STATE COLLEGE	86	20	66	0
146 VIRGINIA STATE UNIVERSITY	85	26	59	1
147 PRAIRIE VIEW A & M UNIVERSITY	84	50	34	0
148 SOUTHWESTERN OKLAHOMA STATE UNIVERSITY	84	17	67	0
149 NORTHWEST MISSOURI STATE UNIVERSITY	83	30	53	0
150 TUSKEGEE INSTITUTE	82	73	9	1
TOTAL, 1ST 150 INSTS.	47,860	16,820	31,040	44
151 TROY STATE UNIVERSITY	82	46	36	0
152 UNIVERSITY OF THE DISTRICT OF COLUMBIA	82	47	35	0
153 UNIVERSITY OF WISCONSIN - GREEN BAY	82	24	58	0
154 BUTLER UNIVERSITY	81	11	70	0
155 GANNON COLLEGE	81	14	67	0
156 HAMPTON INSTITUTE	80	34	46	0
157 NORTH CAROLINA CENTRAL UNIVERSITY	78	35	43	0
158 UNIV OF NORTH CAROLINA AT CHARLOTTE	78	36	42	0
159 UNIVERSITY OF WISCONSIN - EAU CLAIRE	78	44	34	0
160 MCNEESE STATE UNIVERSITY	77	22	55	0
TOTAL, 1ST 160 INSTS.	48,659	17,133	31,526	44
161 WASHINGTON COLLEGE	75	0	75	0
162 UNIVERSITY OF WISCONSIN - LA CROSSE	75	43	32	1
163 TARLETON STATE UNIVERSITY	75	55	20	0
164 SOUTHERN UNIVERSITY A & M COLLEGE	72	37	35	0
165 MILWAUKEE SCHOOL OF ENGINEERING	71	0	71	0
166 CALIFORNIA STATE COLLEGE	68	12	56	0
167 BRADLEY UNIVERSITY	68	20	48	0
168 AUSTIN PEAY STATE UNIVERSITY	67	23	44	0
169 COLLEGE OF CHARLESTON	67	28	39	0
170 INDIANA UNIVERSITY AT SOUTH BEND	67	4	63	0
TOTAL, 1ST 170 INSTS.	49,364	17,355	32,009	45
171 MOREHEAD STATE UNIVERSITY	66	30	36	0
172 JACKSONVILLE STATE UNIVERSITY	66	8	58	0
173 SUL ROSS STATE UNIVERSITY	65	55	10	0
174 NORTHEAST MISSOURI STATE UNIVERSITY	65	41	24	0
175 ANGELO STATE UNIVERSITY	63	29	34	0
176 SOUTHWEST MISSOURI STATE UNIVERSITY	63	26	37	0
177 NORTHERN MICHIGAN UNIVERSITY	63	43	20	0
178 GEORGIA SOUTHERN COLLEGE	62	34	28	1
179 ST MARY'S COLLEGE	60	50	10	0
180 CALIFORNIA LUTHERAN COLLEGE	60	0	60	0
TOTAL, 1ST 180 INSTS.	49,997	17,671	32,326	46

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TABLE D-4. MASTER'S-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
181 KUTZTOWN STATE COLLEGE	59	2	57	0
182 MIDWESTERN STATE UNIVERSITY	59	32	27	0
183 SUNY COLLEGE AT FREDONIA	58	41	17	0
184 ST JOSEPH'S UNIVERSITY	58	20	38	0
185 WESTERN CAROLINA UNIVERSITY	58	55	3	0
186 TRINITY COLLEGE	57	0	57	0
187 UNIVERSITY OF REDLANDS	56	29	27	0
188 FLORIDA A & M UNIVERSITY	55	51	4	0
189 OREGON COLLEGE OF EDUCATION	55	20	35	0
190 MONTEREY INST OF INTL STUDIES	54	50	4	0
TOTAL, 1ST 190 INSTS.	50,566	17,971	32,595	46
191 MORGAN STATE UNIVERSITY	54	26	28	0
192 SUNY COLLEGE AT NEW PALTZ	54	15	39	0
193 UNIVERSITY OF SAN DIEGO	54	15	39	0
194 ITHACA COLLEGE	53	31	22	0
195 MISSISSIPPI UNIVERSITY FOR WOMEN	52	26	26	0
196 WESTERN NEW ENGLAND COL	52	0	52	0
197 SAINT FRANCIS COLLEGE	51	19	32	0
198 MONMOUTH COLLEGE(NJ)	50	0	50	0
199 PRATT INSTITUTE	49	17	32	0
200 ABILENE CHRISTIAN UNIVERSITY	48	33	15	0
TOTAL, 1ST 200 INSTS.	51,083	18,153	32,930	46
201 SARAH LAWRENCE COLLEGE	48	43	5	0
202 SUNY COLLEGE AT PLATTSBURGH	46	30	16	0
203 MIDWEST COLLEGE OF ENGINEERING	47	1	46	0
204 CHICAGO STATE UNIVERSITY	46	10	36	0
205 DOMINICAN COLLEGE OF SAN RAFAEL	46	19	27	0
206 UNIVERSITY OF PORTLAND	46	14	32	0
207 PAN AMERICAN UNIVERSITY	46	10	36	0
208 FLORIDA INTERNATIONAL UNIVERSITY	45	15	30	0
209 NORTH CAROLINA A & T STATE UNIVERSITY	44	31	13	0
210 WORCESTER STATE COLLEGE	44	0	44	0
TOTAL, 1ST 210 INSTS.	51,543	18,326	33,217	49
211 RIVIER COLLEGE	43	2	41	0
212 JOHN CARROLL UNIVERSITY	43	18	25	0
213 UNIV OF ALASKA SOUTHEAST	42	8	34	0
214 CUNY LEHMAN COLLEGE	42	22	20	0
215 MOORHEAD STATE UNIVERSITY	42	24	18	0
216 WINTHROP COLLEGE	41	15	26	0
217 EAST CENTRAL OKLAHOMA STATE UNIV	41	29	12	0
218 BOSTON STATE COLLEGE	41	8	33	0
219 MARIST COLLEGE	41	9	32	0
220 INDIANA-PURDUE UNIVERSITY AT FORT WAYNE	39	0	39	0
TOTAL, 1ST 220 INSTS.	51,958	18,461	33,497	50
221 UNIVERSITY OF NORTH ALABAMA	39	3	36	0
222 CITADEL MILITARY COLL OF SOUTH CAROLINA	38	0	38	0
223 FISK UNIVERSITY	38	36	2	0
224 UNIVERSITY OF GUAM	38	17	21	0
225 WESTERN NEW MEXICO UNIVERSITY	36	28	8	0
226 UNIV OF MASSACHUSETTS-BOSTON	35	0	35	0
227 SUNY COLLEGE AT OSWEGO	34	17	17	0
228 WINTHROP UNIVERSITY	33	20	13	0
229 BENTON STATE UNIVERSITY	33	11	22	0
230 ST CLOUD STATE UNIVERSITY	32	9	23	0
TOTAL, 1ST 230 INSTS.	52,314	18,602	33,712	50
231 EMERSON COLLEGE	31	30	1	0
232 DREW UNIVERSITY	31	12	19	0
233 AUGUSTA COLLEGE	31	31	0	0
234 MONTANA COLLEGE MINERAL SCI & TECHNOLOGY	31	29	2	0
235 UNIVERSITY OF WISCONSIN - PLATTEVILLE	29	18	11	0
236 ANDREWS UNIVERSITY	28	15	13	0
237 EAST STROUDSBURG STATE COLLEGE	28	7	21	0
238 ST MICHAEL'S COLLEGE	27	13	14	0
239 COLLEGE OF NEW ROCHELLE	27	6	21	0
240 CONNECTICUT COLLEGE	27	15	12	0
TOTAL, 1ST 240 INSTS.	52,604	18,778	33,826	50

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TABLE D-4. MASTER'S-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
241 UNIVERSITY OF RICHMOND	27	14	13	0
242 UNIVERSITY OF PUGET SOUND	27	7	20	0
243 SOUTHERN OREGON STATE COLLEGE	27	21	6	0
244 IMMACULATE HEART COLLEGE	26	22	4	0
245 PHILLIPS UNIVERSITY	25	17	8	0
246 NIAGARA UNIVERSITY	25	11	14	0
247 PACIFIC STATES UNIVERSITY	25	20	5	0
248 DELTA STATE UNIVERSITY	24	10	14	0
249 UNIVERSITY OF MONTEVALLO	24	15	9	0
250 UNIVERSITY OF SAN FRANCISCO	24	23	1	0
TOTAL, 1ST 250 INSTS.	52,858	18,938	33,920	50
251 ADAMS STATE UNIVERSITY	24	18	6	0
252 WESTERN CONNECTICUT STATE COLLEGE	24	3	21	0
253 BUCKNELL UNIVERSITY	24	24	0	0
254 JACKSONVILLE UNIVERSITY	22	0	22	0
255 WILLIAMS COLLEGE	22	22	0	0
256 BRIDGEWATER STATE COLLEGE	21	2	19	0
257 MANSFIELD STATE COLLEGE	21	9	13	0
258 ARMSTRONG STATE COLLEGE	20	1	19	0
259 SUNY COLLEGE AT POTSDAM	20	19	2	0
260 BLOOMSBURG STATE COLLEGE	19	4	15	0
TOTAL, 1ST 260 INSTS.	53,075	19,038	34,037	50
261 UNIVERSITY OF WISCONSIN - RIVER FALLS	18	13	5	0
262 GRAMBLING STATE UNIVERSITY	17	6	11	0
263 COOPER UNION	17	17	0	0
264 UNIVERSITY OF WISCONSIN - WHITWATER	17	14	3	0
265 AUGUSTANA COLLEGE	17	0	17	0
266 MOUNT HOLYOKE COLLEGE	17	16	1	0
267 SUNY COLLEGE AT ONEONTA	15	13	2	0
268 ALABAMA STATE UNIVERSITY	15	13	2	0
269 CUNY COLLEGE OF STATEN ISLAND ST GEORGE	15	2	13	0
270 SOUTHEASTERN LOUISIANA UNIVERSITY	14	11	3	0
TOTAL, 1ST 270 INSTS.	53,237	19,143	34,094	50
271 LYNCHBURG COLLEGE	13	5	8	0
272 UNIVERSITY OF CENTRAL ARKANSAS	13	11	2	0
273 ROSE-HULMAN INSTITUTE OF TECHNOLOGY	12	2	10	0
274 HOLY NAMES COLLEGE	12	5	7	0
275 NORWICH UNIVERSITY	12	0	12	0
276 GALLAUDET COLLEGE	12	12	0	0
277 LORAS COLLEGE	11	0	11	0
278 SLIPPERY ROCK STATE COLLEGE	11	9	2	0
279 KEARNEY STATE COLLEGE	11	5	6	0
280 NICHOLLS STATE UNIVERSITY	10	6	4	0
TOTAL, 1ST 280 INSTS.	53,354	19,198	34,156	50
281 WALLA WALLA COLLEGE	10	10	0	0
282 INCARNATE WORD COLLEGE	10	10	0	0
283 HENDERSON STATE UNIVERSITY	9	4	5	0
284 WESTERN STATE COLLEGE OF COLORADO	9	6	3	0
285 SUNY COLLEGE AT CORTLAND	8	6	2	0
286 SALEM STATE COLLEGE	7	0	7	0
287 WHITTIER COLLEGE	6	0	6	0
288 CAMPBELL UNIVERSITY	6	0	6	0
289 OCCIDENTAL COLLEGE	6	6	0	0
290 SAMFORD UNIVERSITY	6	3	3	0
TOTAL, 1ST 290 INSTS.	53,431	19,243	34,188	50
291 LOYOLA UNIVERSITY IN NEW ORLEANS	6	0	6	0
292 CHEYNEY STATE COLLEGE	6	2	4	0
293 INDIANA CENTRAL UNIVERSITY	6	0	6	0
294 STETSON UNIVERSITY	6	1	5	0
295 MISSISSIPPI COLLEGE	5	2	3	0
296 DE PAUM UNIVERSITY	5	5	0	0
297 PACIFIC UNION COLLEGE	4	3	1	0
298 HARVEY MUDD COLLEGE	4	4	0	0
299 VASSAR COLLEGE	4	0	4	0
300 FURMAN UNIVERSITY	4	4	0	0
TOTAL, 1ST 300 INSTS.	53,481	19,264	34,217	50

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TABLE D-4. MASTER'S-GRANTING INSTITUTIONS RANKED BY
TOTAL GRADUATE ENROLLMENT: 1979

- CONTINUED

INSTITUTIONAL RANKING	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS	POST- DOCTORATES
301 WILKES COLLEGE	4	2	2	0
302 MOLLINS COLLEGE	3	3	0	0
303 WINONA STATE UNIVERSITY	3	1	2	0
304 PACIFIC UNIVERSITY	2	1	1	0
305 SWARTHMORE COLLEGE	1	1	0	0
306 WORLD UNIVERSITY	1	1	0	0
307 COLLEGE OF THE HOLY CROSS	1	1	0	0
308 MIDDLEBURY COLLEGE	1	0	1	0
309 SOUTHEAST MISSOURI STATE UNIVERSITY	0	0	0	0
310 WASHBURN UNIV OF TOPEKA	0	0	0	0
TOTAL, 1ST 310 INSTS.	53,497	19,274	34,223	50
311 OBERLIN COLLEGE	0	0	0	0
312 INTER AMERICAN U PUERTO RICO SAN GERMAN	0	0	0	0
313 WHITWORTH COLLEGE	0	0	0	0
314 UNIVERSITY OF WISCONSIN - SUPERIOR	0	0	0	0
315 CARIBBEAN CTR FOR ADV STD	0	0	0	0
TOTAL, 1ST 315 INSTS.	53,497	19,274	34,223	50

SOURCE: NATIONAL SCIENCE FOUNDATION

BEST DOCUMENT AVAILABLE

TABLE D-5. INSTITUTIONS RANKED BY
POSTDOCTORAL UTILIZATION: 1979

INSTITUTIONAL RANKING	POST- DOCTORATES	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS
TOTAL, ALL INSTITUTIONS	18,639	375,267	243,331	131,936
1 HARVARD UNIVERSITY	1,037	2,471	2,393	78
2 UNIVERSITY OF CALIF AT SAN FRANCISCO	581	830	779	51
3 STANFORD UNIVERSITY	486	3,529	3,213	316
4 MASSACHUSETTS INSTITUTE OF TECHNOLOGY	448	3,887	3,822	65
5 YALE UNIVERSITY	441	1,551	1,517	34
6 UNIVERSITY OF WISCONSIN - MADISON	434	5,035	4,487	548
7 UNIVERSITY OF CALIF AT BERKELEY	415	5,640	5,411	229
8 UNIVERSITY OF CALIF AT LOS ANGELES	404	4,184	4,007	177
9 CORNELL UNIVERSITY	367	2,832	2,811	21
10 UNIVERSITY OF PENNSYLVANIA	367	2,267	1,691	576
TOTAL, 1ST 10 INSTS.	4,980	32,226	30,131	2,095
11 UNIVERSITY OF WASHINGTON	357	4,529	3,515	1,014
12 JOHNS HOPKINS UNIVERSITY	345	1,305	1,188	117
13 COLUMBIA UNIV MAIN DIVISION	335	2,832	2,143	689
14 UNIVERSITY OF CALIF AT SAN DIEGO	329	1,127	1,056	71
15 UNIVERSITY OF SOUTHERN CALIFORNIA	309	7,869	3,310	4,559
16 UNIVERSITY OF MINNESOTA	309	4,993	4,259	734
17 WASHINGTON UNIVERSITY	306	1,362	1,170	192
18 DUKE UNIVERSITY	284	984	972	12
19 UNIVERSITY OF MISSISSIPPI	231	567	461	106
20 UNIVERSITY OF CHICAGO	219	1,425	1,399	26
TOTAL, 1ST 20 INSTS.	8,004	59,219	49,604	9,615
21 UNIVERSITY OF ILLINOIS - URBANA	216	4,039	3,891	148
22 ROCKEFELLER UNIVERSITY	212	106	96	10
23 OHIO STATE UNIVERSITY	204	4,608	3,787	821
24 UNIV OF NORTH CAROLINA AT CHAPEL HILL	198	2,388	2,152	236
25 BAYLOR COLLEGE OF MEDICINE	197	117	117	0
26 UNIVERSITY OF COLORADO	192	3,596	2,466	1,130
27 CALIFORNIA INSTITUTE OF TECHNOLOGY	189	878	872	6
28 CASE WESTERN RESERVE UNIVERSITY	188	1,597	1,262	335
29 UNIVERSITY OF IOWA	187	2,015	1,510	505
30 PRINCETON UNIVERSITY	185	1,035	1,035	0
TOTAL, 1ST 30 INSTS.	9,972	79,598	66,792	12,806
31 PURDUE UNIVERSITY	173	3,527	2,975	552
32 UNIVERSITY OF ARIZONA	171	2,839	2,259	580
33 UNIVERSITY OF ROCHESTER	167	950	798	152
34 UNIVERSITY OF MICHIGAN	166	4,724	4,237	487
35 THE UNIVERSITY OF ALABAMA IN BIRMINGHAM	164	1,072	752	320
36 YESHIVA UNIVERSITY	163	360	261	99
37 VANDERBILT UNIVERSITY	158	684	603	81
38 UNIV OF TEXAS AT AUSTIN	158	3,666	3,042	624
39 NEW YORK UNIVERSITY	153	4,490	1,603	2,887
40 SUNY - STONY BROOK	148	2,272	1,653	619
TOTAL, 1ST 40 INSTS.	11,593	104,182	84,975	19,207
41 NORTHWESTERN UNIVERSITY	146	1,446	1,318	128
42 TUFTS UNIVERSITY	145	503	391	112
43 UNIV OF TEXAS HLTH SCI CTR AT DALLAS	140	241	215	26
44 UNIVERSITY OF CALIF AT DAVIS	133	2,496	2,392	104
45 MICHIGAN STATE UNIVERSITY	129	3,316	2,872	444
46 UNIVERSITY OF KANSAS	127	2,295	1,666	629
47 UNIVERSITY OF FLORIDA	124	2,315	2,071	244
48 UNIVERSITY OF CALIF AT IRVINE	120	1,013	910	103
49 UNIVERSITY OF PITTSBURGH	116	3,154	1,692	1,462
50 UNIVERSITY OF TENNESSEE AT KNOXVILLE	108	3,095	2,229	866
TOTAL, 1ST 50 INSTS.	12,881	124,056	100,731	23,325
51 UNIVERSITY OF UTAH	105	1,953	1,477	476
52 UNIVERSITY OF VIRGINIA	104	1,450	1,232	218
53 TEMPLE UNIVERSITY	103	1,480	967	513
54 SUNY - BUFFALO	103	2,008	1,337	671
55 TEXAS A & M UNIVERSITY	101	3,048	2,514	534
56 ADELPHI UNIVERSITY	99	783	329	454
57 LOUISIANA STATE UNIVERSITY SYSTEM	95	1,515	1,193	322
58 INDIANA-PURDUE UNIV AT INDIANAPOLIS	91	249	191	58
59 UNIVERSITY OF CONNECTICUT	90	2,000	1,512	488
60 VIRGINIA COMMONWEALTH UNIVERSITY	85	1,440	847	593
TOTAL, 1ST 60 INSTS.	13,857	139,982	112,330	27,652

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TABLE D-5. INSTITUTIONS RANKED BY
POSTDOCTORAL UTILIZATION: 1979

- CONTINUED

INSTITUTIONAL RANKING	POST- DOCTORATES	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS
61 INDIANA UNIVERSITY - BLOOMINGTON	82	1,818	1,518	300
62 BOSTON UNIVERSITY	81	1,907	1,253	654
63 PENNSYLVANIA STATE UNIVERSITY	79	3,142	2,310	832
64 COLORADO STATE UNIVERSITY	79	1,734	1,445	289
65 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE	78	2,129	1,390	739
66 RUTGERS THE STATE UNIVERSITY	77	4,185	1,676	2,509
67 BRANDEIS UNIVERSITY	76	325	323	2
68 UNIVERSITY OF HAWAII AT MANOA	76	1,481	1,348	133
69 BROWN UNIVERSITY	74	628	564	64
70 UNIVERSITY OF GEORGIA	74	1,646	1,472	174
TOTAL, 1ST 70 INSTS.	14,633	158,977	125,629	33,348
71 IOWA STATE UNIVERSITY OF SCI & TECH	74	2,370	1,884	486
72 CARNEGIE-MELLON UNIVERSITY	72	921	674	247
73 SUNY - DOWNSTATE MEDICAL CENTER	70	74	73	1
74 UNIVERSITY OF MASSACHUSETTS AT AMHERST	69	1,952	1,687	265
75 UNIVERSITY OF CALIF AT RIVERSIDE	68	967	915	52
76 UNIV OF TEXAS HLTH SCI CTR SAN ANTONIO	68	219	135	84
77 UNIV OF ILLINOIS MED CENTER - CHICAGO	67	835	544	291
78 WAYNE STATE UNIVERSITY	66	2,144	1,365	779
79 UNIVERSITY OF MARYLAND - COLLEGE PARK	66	2,684	1,396	1,288
80 UNIVERSITY OF KENTUCKY	66	1,682	1,281	401
TOTAL, 1ST 80 INSTS.	15,319	172,825	135,583	37,242
81 NORTH CAROLINA STATE UNIV AT RALEIGH	63	2,162	1,716	446
82 UNIV OF TEXAS MED BRANCH AT GALVESTON	63	140	124	16
83 ALBANY MEDICAL COLLEGE	63	55	53	2
84 CUNY GRADUATE SCHOOL AND UNIV CENTER	61	1,715	1,590	125
85 CUNY MOUNT SINAI SCHOOL OF MEDICINE	61	0	0	0
86 UNIVERSITY OF MIAMI	60	802	603	199
87 UNIVERSITY OF OREGON	59	743	668	75
88 UNIV OF TEXAS HLTH SCI CTR AT HOUSTON	58	785	583	202
89 UNIV OF TEXAS CANCER CENTER	57	0	0	0
90 UNIVERSITY OF HOUSTON	57	1,535	933	702
TOTAL, 1ST 90 INSTS.	15,921	180,762	141,753	39,009
91 GEORGETOWN UNIVERSITY	57	1,032	824	208
92 UNIVERSITY OF MISSOURI - COLUMBIA	57	1,956	1,570	386
93 OREGON STATE UNIVERSITY	56	1,739	1,555	184
94 RENSSELAER POLYTECHNIC INSTITUTE	55	1,462	1,094	368
95 RICE UNIVERSITY	55	564	547	17
96 UNIVERSITY OF VERMONT & ST AGRIC COLLEGE	55	506	361	145
97 FLORIDA STATE UNIVERSITY	55	1,666	1,330	336
98 UNIVERSITY OF NEBRASKA - LINCOLN	53	1,297	985	312
99 UNIVERSITY OF CALIF AT SANTA BARBARA	53	1,106	1,024	82
100 SUNY - UPSTATE MEDICAL CENTER	51	54	37	17
TOTAL, 1ST 100 INSTS.	16,468	192,144	151,080	41,064
101 VIRGINIA POLYTECHNIC INST AND STATE UNIV	51	2,252	1,683	569
102 GEORGIA INSTITUTE OF TECHNOLOGY	50	1,815	1,393	422
103 UNIVERSITY OF CINCINNATI	49	2,416	1,353	1,063
104 UNIVERSITY OF DELAWARE	48	1,031	710	321
105 UNIVERSITY OF TENNESSEE CTR HLTH SCIENCE	46	117	98	19
106 WASHINGTON STATE UNIVERSITY	44	1,476	1,248	228
107 UNIFORMED SERV UNIV OF THE HLTH SCIENCES	44	31	31	0
108 MEDICAL UNIVERSITY OF SOUTH CAROLINA	44	113	88	25
109 ST LOUIS UNIVERSITY	44	793	495	298
110 UNIVERSITY OF SOUTH CAROLINA	43	1,772	1,035	737
TOTAL, 1ST 110 INSTS.	16,931	203,960	159,214	44,746
111 SUNY - ALBANY	42	701	519	182
112 UNIVERSITY OF NOTRE DAME	40	568	536	32
113 TULANE UNIVERSITY OF LOUISIANA	40	978	631	347
114 COLLEGE OF MED AND DENT OF NEW JERSEY	38	176	158	18
115 EMORY UNIVERSITY	38	498	343	155
116 OKLAHOMA STATE UNIVERSITY	37	1,354	1,095	259
117 MONTANA STATE UNIVERSITY	35	373	336	37
118 DARTMOUTH COLLEGE	34	212	205	7
119 UNIVERSITY OF MARYLAND - BALT PROF SCH	34	1,345	800	545
120 WEST VIRGINIA UNIVERSITY	34	1,959	1,268	691
TOTAL, 1ST 120 INSTS.	17,303	212,124	165,105	47,019

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TABLE D-5. INSTITUTIONS RANKED BY
POSTDOCTORAL UTILIZATION: 1979

- CONTINUED

INSTITUTIONAL RANKING	POST- DOCTORATES	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS
121 SYRACUSE UNIVERSITY	34	1,916	1,169	747
122 UNIVERSITY OF OREGON HEALTH SCI CENTER	33	63	58	5
123 LOYOLA UNIVERSITY OF CHICAGO	32	808	495	313
124 KANSAS STATE UNIV OF AGR & APPLIED SCI	32	1,218	1,029	189
125 NEW YORK MEDICAL COLLEGE	31	134	44	90
126 ARIZONA STATE UNIVERSITY	30	1,838	974	864
127 UNIVERSITY OF NEW MEXICO	28	1,289	865	424
128 LEHIGH UNIVERSITY	26	658	448	210
129 THOMAS JEFFERSON UNIVERSITY	26	77	71	6
130 NORTHEASTERN UNIVERSITY	26	3,296	992	2,304
TOTAL, 1ST 130 INSTS.	17,601	223,421	171,250	52,171
131 DREXEL UNIVERSITY	24	861	339	522
132 UNIVERSITY OF LOUISVILLE	24	925	537	388
133 TEXAS TECH UNIVERSITY	23	930	821	109
134 LANAR UNIVERSITY	22	179	144	35
135 WAKE FOREST UNIVERSITY	22	148	114	34
136 UNIVERSITY OF CALIF AT SANTA CRUZ	22	301	301	0
137 UNIVERSITY OF WISCONSIN - MILWAUKEE	21	1,740	909	831
138 UNIVERSITY OF OKLAHOMA - NORMAN	21	1,585	1,138	447
139 THE MEDICAL COLLEGE OF PENNSYLVANIA	21	70	34	36
140 CATHOLIC UNIVERSITY OF AMERICA	21	1,721	712	1,009
TOTAL, 1ST 140 INSTS.	17,822	231,881	176,299	55,582
141 UNIVERSITY OF MASSACHUSETTS AT WORCESTER	20	12	12	0
142 CLARKSON COLLEGE OF TECHNOLOGY	20	238	193	45
143 SUNY - COLL OF ENV SCIENCE AND FORESTRY	19	380	237	143
144 RUSH UNIVERSITY	18	193	121	72
145 GEORGE WASHINGTON UNIVERSITY	18	3,314	675	2,639
146 UNIV OF TEXAS AT ARLINGTON	18	1,673	877	796
147 ILLINOIS INSTITUTE OF TECHNOLOGY	18	1,474	372	1,102
148 CUNY QUEEN'S COLLEGE	18	179	83	96
149 UTAH STATE UNIVERSITY	16	803	634	169
150 TEXAS CHRISTIAN UNIVERSITY	16	146	126	20
TOTAL, 1ST 150 INSTS.	18,003	240,293	179,629	60,664
151 NEW MEXICO STATE UNIVERSITY	16	657	517	140
152 HAHNEMANN MEDICAL COLLEGE AND HOSPITAL	16	301	284	17
153 AUBURN UNIVERSITY	16	1,045	847	198
154 UNIVERSITY OF OKLAHOMA HEALTH SCI CENTER	15	528	346	182
155 THE UNIVERSITY OF ALABAMA	15	790	594	196
156 POLYTECHNIC INSTITUTE OF NEW YORK	15	2,151	327	1,824
157 UNIV OF TEXAS AT DALLAS	15	601	324	277
158 UNIVERSITY OF SOUTH ALABAMA	14	142	81	61
159 MEDICAL COLLEGE OF GEORGIA	14	94	69	25
160 UNIVERSITY OF NEVADA AT RENO	14	477	361	116
TOTAL, 1ST 160 INSTS.	18,153	247,079	183,379	63,700
161 MEDICAL COLLEGE OF WISCONSIN	14	86	78	8
162 SUNY - BINGHAMTON	14	887	511	376
163 BOSTON COLLEGE	14	509	424	85
164 UNIVERSITY OF MARYLAND - BALTIMORE CNTY	13	268	103	165
165 MISSISSIPPI STATE UNIVERSITY	13	765	662	103
166 UNIVERSITY OF NEBRASKA MEDICAL CENTER	13	254	130	124
167 THE UNIVERSITY OF ALABAMA IN HUNTSVILLE	13	451	164	287
168 WESLEYAN UNIVERSITY	12	94	91	3
169 UNIVERSITY OF RHODE ISLAND	11	1,127	777	350
170 UNIVERSITY OF DENVER	11	952	751	201
TOTAL, 1ST 170 INSTS.	18,281	252,472	187,070	65,402
171 UNIVERSITY OF AKRON	11	985	487	498
172 UNIVERSITY OF IDAHO	11	1,051	495	556
173 OHIO UNIVERSITY	10	766	660	106
174 STEVENS INSTITUTE OF TECHNOLOGY	10	1,041	310	731
175 UNIVERSITY OF MAINE AT ORONO	9	475	355	120
176 HOWARD UNIVERSITY	9	1,016	794	222
177 UNIVERSITY OF TEXAS AT SAN ANTONIO	9	291	148	143
178 UNIVERSITY OF MISSOURI - ROLLA	9	713	408	305
179 UNIVERSITY OF WYOMING	9	651	557	94
180 UNIVERSITY OF ARKANSAS	9	912	685	227
TOTAL, 1ST 180 INSTS.	18,377	260,373	191,969	68,404

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TABLE D-5. INSTITUTIONS RANKED BY
POSTDOCTORAL UTILIZATION: 1979

- CONTINUED

INSTITUTIONAL RANKING	POST- DOCTORATES	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS
181 UNIVERSITY OF PUERTO RICO	9	240	102	138
182 NORTH DAKOTA STATE UNIVERSITY	9	511	375	136
183 EAST CAROLINA UNIVERSITY	9	466	260	206
184 OLD DOMINION UNIVERSITY	8	664	315	349
185 NORTH TEXAS STATE UNIVERSITY	8	648	480	168
186 CLEMSON UNIVERSITY	8	895	676	219
187 UNIVERSITY OF NORTH DAKOTA	8	265	214	51
188 OAKLAND UNIVERSITY	7	309	150	159
189 BOWLING GREEN STATE UNIVERSITY	7	577	402	175
190 TEXAS COLLEGE OF OSTEOPATHIC MEDICINE	7	0	0	0
TOTAL, 1ST 190 INSTS.	18,457	264,948	194,943	70,005
191 WOODS HOLE OCEANOGRAPHIC INSTITUTE	7	51	51	0
192 BAYLOR UNIVERSITY	6	266	229	37
193 SAN DIEGO STATE UNIVERSITY	6	1,750	1,060	690
194 CUNY HUNTER COLLEGE	6	1,187	593	594
195 UNIVERSITY OF ARKANSAS - MED SCI CAMPUS	6	153	89	64
196 UNIVERSITY OF HEALTH SCIENCES	6	104	72	32
197 UNIVERSITY OF NEW ORLEANS	6	418	243	175
198 GEORGIA STATE UNIVERSITY	6	730	324	406
199 MARQUETTE UNIVERSITY	5	606	329	277
200 UNIVERSITY OF PUERTO RICO - RIO PIEDRAS	5	1,033	618	415
TOTAL, 1ST 200 INSTS.	18,516	271,246	198,551	72,695
201 WRIGHT STATE UNIVERSITY	5	543	352	191
202 UNIVERSITY OF SOUTH FLORIDA	5	859	513	346
203 KENT STATE UNIVERSITY	5	834	599	235
204 NORTHERN ILLINOIS UNIVERSITY	4	1,042	608	434
205 US INTERNATIONAL UNIVERSITY	4	949	554	395
206 MIAMI UNIVERSITY	4	484	457	27
207 BRIGHAM YOUNG UNIVERSITY	4	910	710	200
208 UNIVERSITY OF TOLEDO	4	489	275	214
209 COLLEGE OF WILLIAM AND MARY	4	291	242	49
210 CREIGHTON UNIVERSITY	4	40	38	2
TOTAL, 1ST 210 INSTS.	18,559	277,687	202,899	74,788
211 KIRKSVILLE COLLEGE OF OSTEOPATHIC MED	3	0	0	0
212 UNIVERSITY OF ALASKA AT FAIRBANKS	3	270	234	36
213 EASTERN NEW MEXICO UNIVERSITY	3	210	158	52
214 UNIVERSITY OF MISSOURI - ST LOUIS	3	309	130	179
215 FLORIDA ATLANTIC UNIVERSITY	3	430	249	181
216 SUNY COLLEGE AT PLATTSBURGH	3	48	30	18
217 CLEVELAND STATE UNIVERSITY	3	892	269	623
218 LONG ISLAND UNIVERSITY	3	1,962	438	1,524
219 SOUTHERN METHODIST UNIVERSITY	3	837	293	544
220 UNIVERSITY OF MONTANA	3	382	350	32
TOTAL, 1ST 220 INSTS.	18,589	283,027	205,050	77,977
221 CLARK UNIVERSITY	2	222	170	52
222 SUNY STATE COLLEGE OF OPTOMETRY	2	3	2	1
223 NEW MEXICO INSTITUTE OF MINING AND TECH	2	140	140	0
224 TEXAS SOUTHERN UNIVERSITY	2	157	109	48
225 FORDHAM UNIVERSITY	2	507	280	227
226 NE OHIO UNIV COL OF MEDICINE	2	9	9	0
227 UNIV OF TEXAS AT EL PASO	2	576	269	307
228 ORAL ROBERTS UNIVERSITY	2	34	23	11
229 WORCESTER POLYTECHNIC INSTITUTE	2	723	248	475
230 UNIVERSITY OF MISSOURI - KANSAS CITY	2	611	171	440
TOTAL, 1ST 230 INSTS.	18,609	286,009	206,471	79,538
231 AMERICAN UNIVERSITY	2	1,980	960	1,020
232 ATLANTA UNIVERSITY	1	517	419	98
233 INDIANA STATE UNIVERSITY	1	311	202	109
234 WESTERN ILLINOIS UNIVERSITY	1	275	172	103
235 UNIVERSITY OF SOUTHWESTERN LOUISIANA	1	359	217	142
236 GEORGIA SOUTHERN COLLEGE	1	62	34	28
237 UNIVERSITY OF BRIDGEPORT	1	565	112	453
238 IDAHO STATE UNIVERSITY	1	215	158	57
239 LOMA LINDA UNIVERSITY	1	659	383	276
240 CENTRAL MICHIGAN UNIVERSITY	1	448	218	230
TOTAL, 1ST 240 INSTS.	18,620	291,400	209,346	82,054

CONTINUED ON NEXT PAGE.

TABLE D-5. INSTITUTIONS RANKED BY
POSTDOCTORAL UTILIZATION: 1979

- CONTINUED

INSTITUTIONAL RANKING	POST- DOCTORATES	TOTAL STUDENTS	FULL-TIME STUDENTS	PART-TIME STUDENTS
241 CALIF STATE UNIVERSITY AT NORTHRIDGE	1	1,172	407	765
242 UNIVERSITY OF NORTHERN IOWA	1	124	70	54
243 MASSACHUSETTS COLLEGE OF PHARMACY	1	86	39	47
244 SUNY COLLEGE AT BUFFALO	1	96	57	39
245 UNIVERSITY OF TULSA	1	214	128	86
246 VIRGINIA STATE UNIVERSITY	1	85	26	59
247 JOHN CARROLL UNIVERSITY	1	43	18	25
248 WESTERN MICHIGAN UNIVERSITY	1	1,349	592	757
249 UNIVERSITY OF DAYTON	1	520	154	366
250 SOUTH DAKOTA STATE UNIVERSITY	1	280	173	107
TOTAL, 1ST 250 INSTS.	18,630	295,369	211,010	84,359
251 EASTERN VIRGINIA MEDICAL SCHOOL	1	25	25	0
252 SETON HALL UNIVERSITY	1	275	120	155
253 NORTHERN ARIZONA UNIVERSITY	1	350	219	131
254 MEMPHIS STATE UNIVERSITY	1	853	404	449
255 CUNY CITY COLLEGE	1	448	155	293
256 TEXAS WOMAN'S UNIVERSITY	1	1,516	582	934
257 NEW JERSEY INSTITUTE OF TECHNOLOGY	1	817	103	714
258 TUSKEGEE INSTITUTE	1	82	73	9
259 UNIVERSITY OF WISCONSIN - LA CROSSE	1	75	43	32
TOTAL, 1ST 259 INSTS.	18,639	299,810	212,734	87,076
TOTAL, ALL OTHER INSTS.	0	75,457	30,597	44,860

SOURCE: NATIONAL SCIENCE FOUNDATION

Section IV

instructions, survey instruments, and summaries

	Page
Instructions for Form 812	132
Consolidated Departmental Data Sheets and Summaries	134

Summary

A. All Graduate Institutions

IV-A-1. From 9,796 graduate depart- ments	136
IV-A-2. From 1,177 engineering depart- ments	136
IV-A-3. From 685 physical science departments	136
IV-A-4. From 337 environmental science departments	137
IV-A-5. From 583 mathematical science departments	137
IV-A-6. From 4,931 life science depart- ments	137
IV-A-7. From 498 psychology depart- ments	138
IV-A-8. From 1,585 social science departments	138

B. Doctorate-granting Institutions

All Graduate Departments

IV-B-1. From 8,360 graduate depart- ments	138
IV-B-2. From 1,025 engineering depart- ments	139
IV-B-3. From 521 physical science departments	139
IV-B-4. From 288 environmental sci- ence departments	139
IV-B-5. From 421 mathematical sci- ence departments	140
IV-B-6. From 4,585 life science departments	140

IV-B-7. From 317 psychology depart- ments	140
IV-B-8. From 1,203 social science departments	141

Doctorate Departments

IV-B-9. From 6,524 doctorate depart- ments	141
IV-B-10. From 771 doctorate engineer- ing departments	141
IV-B-11. From 399 doctorate physical science departments	142
IV-B-12. From 206 doctorate environ- mental science departments	142
IV-B-13. From 279 doctorate mathe- matical science departments	142
IV-B-14. From 3,903 doctorate life science departments	143
IV-B-15. From 247 doctorate psychology departments	143
IV-B-16. From 719 doctorate social sci- ence departments	143

Master's Departments

IV-B-17. From 1,836 master's depart- ments	144
IV-B-18. From 254 master's engineer- ing departments	144
IV-B-19. From 122 master's physical science departments	144
IV-B-20. From 82 master's environ- mental science departments	145
IV-B-21. From 142 master's mathematical science departments	145
IV-B-22. From 682 master's life sci- ence departments	145

IV-B-23. From 70 master's psychology departments	146
IV-B-24. From 484 master's social sci- ence departments	146

C. Master's-granting Institutions

IV-C-1. From 1,436 graduate depart- ments	146
IV-C-2. From 152 engineering depart- ments	147
IV-C-3. From 164 physical science departments	147
IV-C-4. From 49 environmental sci- ence departments	147
IV-C-5. From 162 mathematical sci- ence departments	148
IV-C-6. From 346 life science depart- ments	148
IV-C-7. From 181 psychology depart- ments	148
IV-C-8. From 382 social science departments	149

D. Special Summaries

IV-D-1. From 3,092 graduate depart- ments in medical schools	149
IV-D-2. From 1,864 graduate depart- ments in public medical schools	149
IV-D-3. From 1,228 graduate depart- ments in private medical schools	150
IV-D-4. From 6,750 graduate depart- ments in public institutions	150
IV-D-5. From 3,046 graduate depart- ments in private institutions	150

INSTRUCTIONS FOR SURVEY OF GRADUATE SCIENCE STUDENTS AND POSTDOCTORALS, FALL 1979

General Definitions

A graduate student is defined as a student enrolled for credit in an advanced-degree program leading to either a master's or Ph.D. degree in fall 1979. M.D., D.V.M., or D.D.S. candidates, interns, and residents should not be reported unless they are concurrently working for a master's or Ph.D. in a science or engineering field or are enrolled in a joint M.D./Ph.D. program. Individuals who already hold an M.D., D.V.M., or D.D.S., master's or Ph.D. degree but who are working on another master's or Ph.D. degree are to be counted as graduate students, either full or part time. Do not report such individuals as postdoctorals in item 8.

Graduate students performing thesis or dissertation research away from the campus at Government and contractor-owned facilities in the United States are to be included as long as they are enrolled for credit in an advanced-degree program. Students enrolled at a branch or extension center in a foreign country are to be excluded.

A graduate student, whether full- or part-time, should be reported in only one department. If any students are in interdisciplinary programs, please be sure that they are counted only once by their "home" department. If a graduate student is enrolled in an inter-institutional program, please report the student only if the degree will be granted by your institution. Please report in terms of headcounts, not in full-time-equivalent (FTE) terms.

Item Instructions and Definitions

Highest degree offered, item 4: Check the item which refers to the highest degree program offered by this science department in fall 1979. If your department does not offer a graduate degree, but is a department of clinical medicine with or without postdoctorals, check (3).

Full-time graduate students, item 5: A full-time graduate student is defined as a student enrolled for credit

in an advanced-degree program (not a regular staff member or a postdoctoral) who is engaged full time in training activities in his/her field of science; these activities may embrace any appropriate combination of study, teaching, and research, depending on your institution's own policy. If your department has no full-time graduate students, write "None" in item 5 and move to item 6.

Mechanisms of support, item 5, lines 1-5: Report each full-time graduate student according to the type of major support received in the fall of 1979. Students who receive fellowships or traineeships should be reported on lines 1 and 2, respectively, if either of these mechanisms constitute the major source of his/her support. The Federal Interagency Committee on Education (FICE) differentiates between the two fellowship and traineeship stipends as follows: (1) A fellowship is an award made directly to or on behalf of a student selected in a national competition, to enable him to pursue post-baccalaureate training, and (2) a traineeship is an educational award to a student selected by his university. Except for the student selection process, the terms and conditions of the two types of awards are generally identical. A student receiving primary support from an assistantship should be classified as a research assistant on line 3 or as a teaching assistant on line 4, depending on how he/she spends the majority of his/her time, e.g., a graduate assistant devoting most of his/her time to teaching should be classified as a graduate teaching assistant. All other full-time graduate students should be reported on line 5.

Students receiving financial assistance, item 5, columns (A) thru (H): Report the number of full-time graduate students in the appropriate column according to the source of the largest portion of their support. In determining the source of major support, consider only tuition and other academic expenses. If a graduate student receives stipend support from more than one source, choose the major category of support.

Federal sources, columns (A) thru (E): Report the number of full-time graduate students in the appropriate column where they receive the largest portion of their support. Full-time graduate students receiving the largest portion of their support, from Federal Government loans should be reported as self-supported, column (I).

Department of Defense (DOD), column (A): Report full-time graduate students receiving support from the Department of the Army, Navy, or Air Force. Students receiving their major support from the Veterans Administration under the G.I. Bill should be reported under column (E), "Other Federal Sources;" if this form of support does not constitute his/her major source, the student should be counted in the appropriate column representing that source.

Department of Health, Education, and Welfare (HEW), columns (B) and (C): Report full-time graduate students receiving support from the institutes or divisions of the National Institute of Health (NIH) under the column (B); support from all other components of HEW should be reported under column (C), as indicated below:

National Institutes of Health (report in column B):

- Division of Research Resources
- Fogarty International Center
- National Cancer Institute
- National Eye Institute
- National Heart, Lung, and Blood Institute
- National Institute on Aging
- National Institute of Allergy and Infectious Diseases
- National Institute of Arthritis, Metabolism, and Digestive Diseases
- National Institute of Child Health and Human Development
- National Institute of Dental Research
- National Institute of Environmental Health Sciences
- National Institute of General Medical Sciences
- National Institute of Neurological and Communicative Disorders and Stroke

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Other HEW (report in column C):

Alcohol, Drug Abuse, and Mental Health Administration (including National Institute of Mental Health)

Center for Disease Control

Food and Drug Administration

Health Resources Administration

Health Services Administration

National Institute of Education

Office of Education

Social and Rehabilitation Service

Non-Federal sources, columns (F) thru (H):

Institutional support, column (F): Reports full-time graduate students receiving support from your own institution and State and local governments. Funds given to a university by the Federal Government, such as training grant funds, should be reported under the appropriate Federal agency and NOT reported as institutional support.

Foreign sources, column (G): Include support from any non-U.S. source.

Other U.S. sources, column (H): Include support from nonprofit institutions, private industry, and all other U.S. sources.

Self-supported students, column (I): Include full-time graduate students whose major source of support is derived from loans from any source and from personal or family financial contributions. Full-time graduate students receiving the largest portion of their support from Federal loans should be reported here.

Women, line 7: Report all women students by their source of major support. Please note that in each column, data on line 7 should not exceed the total on line 6.

Foreign students, line 8: A foreign full-time graduate student is defined as an individual who has not attained U.S. citizenship. Do not include native residents of a U.S. possession, such as American Samoa. Applicants for U.S. citizenship are to be considered as foreign until the date their citizenship becomes effective.

First-year students, line 9: A first-year graduate student is defined as one who will have completed less than a full year of graduate study as of the beginning of the fall term in 1979 in the program in which he/she

is enrolled for a degree. All other graduate students should be considered beyond their first year.

Part-time graduate students, item 6: A part-time graduate student is defined as a student who is enrolled in an advanced-degree program who is NOT pursuing graduate work full time as defined in item 5. Report the total number of part-time graduate students on line 1; if a department has no part-time graduate students, enter "None" and move to item 7.

Racial/ethnic background, item 7 (Optional in 1979): This item has been designated as optional for the fall 1979 survey year, in order to determine the availability of racial/ethnic data at the department level. We would appreciate your full cooperation in completing item 7 this year; however, if data are unavailable, please note this in the "Comments" section at the bottom of the form. Racial/ethnic designations as used in this survey do not denote scientific definitions of anthropological origins; a graduate student may thus be included in the group to which he/she appears to belong, identifies with, or is regarded in the community as belonging. However, no person should be counted in more than one racial/ethnic group. The following racial/ethnic designations are those defined by the Office of Civil Rights:

U.S. CITIZENS:

Black, non-Hispanic, column (A): Report persons having origins in any of the black racial groups (except those of Hispanic origin).

American Indian or Alaskan Native, column (B): Report persons having origins in any of the original peoples of North America.

Asian or Pacific Islander, column (C): Report persons having origins in any of the original peoples of the Far East, Southeast Asia, or the Pacific Islands. These areas include China, Japan, Korea, the Philippine Islands, and Samoa.

Hispanic, column (D): Report persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

White, non-Hispanic, column (E): Report persons having origins in any of the original peoples

of Europe, North Africa, the Middle East or the Indian subcontinent, except those of Hispanic origin.

In column (F) report the number of foreign students as defined earlier.

On line 1 report the total number of full-time graduate students under the appropriate racial/ethnic category. Item 7, line 1, column (G) should equal the full-time total reported in item 5, line 6, column (J). Similarly, the total number of part-time graduate students should be reported on line 2. Item 7, line 2, column (G), should equal the part-time total reported in item 6, line 1.

Postdoctorals and nonfaculty doctoral research staff, item 8: Under this category, include individuals with science or engineering Ph.D.'s, M.D.'s, D.D.S.'s, or D.V.M.'s (including foreign degrees that are equivalent to U.S. doctorates) who devote full time to research activities or study in the department under temporary appointments carrying no academic rank. Such appointments are generally for a specific time period. They may contribute to the academic program through seminars, lectures, or working with graduate students. Their postdoctoral activities provide additional training for them. Exclude appointments in residency training programs in medical and health professions, unless research training under the supervision of a senior mentor is the primary purpose of the appointment. On line 1, under columns (A) and (B), enter the number of fellows and trainees receiving support under Federal fellowships and/or training grants. Under column (C) enter the number of postdoctorals who are receiving federally supported research grants. Those remaining postdoctoral appointees receiving non-Government support should be entered under column (D). Of the total in column (E), enter the column (F) the number of postdoctorals with foreign citizenship. Under other non-faculty doctoral research staff, column (G), report all doctoral scientists and engineers who are principally involved in research activities but who are considered neither postdoctoral appointees nor members of the regular faculty. On line 2, report the number of women in each category; please note that in each column, data on line 2 should not exceed the total on line 1.

**NATIONAL SCIENCE FOUNDATION and NATIONAL INSTITUTES OF HEALTH
SURVEY OF GRADUATE SCIENCE STUDENTS AND POSTDOCTORALS, FALL 1979**

Form Approved
FEDAC No. R0093
App. Exp. 12/81

DEPARTMENTAL DATA SHEET

(NOTE: BEFORE FILLING OUT PLEASE READ THE ATTACHED INSTRUCTIONS.)

1. Name and address of institution: _____
2. Science or engineering department (or unit) covered by this data sheet: _____
3. Person in department (or unit) preparing this form:
Name: _____ Phone: () _____
Title: _____
4. Highest degree offered by department in fall 1979 (CHECK ONE ONLY) Master's _____ (1) Doctorate _____ (2) No graduate degree offered _____ (3)

Institution and
department code

(Leave blank)

NOTE: IF YOUR DEPARTMENT DOES NOT ENROLL GRADUATE STUDENTS, PLEASE MOVE TO ITEM 8 BELOW.

5. Number of FULL-TIME GRADUATE STUDENTS enrolled for advanced degrees (master's and doctorate) in fall 1979		STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF- SUPPORTED STUDENTS (Including loans and family sources) (I)	TOTAL FOR ALL SOURCES (Sum of (A) thru (I)) (J)
		FEDERAL SOURCES (excluding loans)					NON-FEDERAL SOURCES				
		Department of Defense (A)	National Institutes of Health (B)	Other DHEW (C)	National Science Foundation (D)	Other Federal sources (E)	Institutional support 1/ (F)	Foreign sources (G)	Other U.S. sources 2/ (H)		
MECHANISMS OF SUPPORT											
Graduate Fellowships	(1)										
Graduate Traineeships	(2)										
Graduate Research Assistantships	(3)										
Graduate Teaching Assistantships	(4)										
Other Types of Support	(5)										
FULL-TIME TOTAL	(6)										
For each total on line (6) how many are WOMEN?	(7)										

FOREIGN STUDENTS

(8)

Of the full-time graduate students on line (6), column (J), how many are
FOREIGN students?

FIRST-YEAR STUDENTS

(9)

Of the full-time graduate students on line (6), column (J), how many are
FIRST-YEAR students?

1/ Include support from this university and State and local governments.

2/ Include support from nonprofit institutions, industry, and all other U.S. sources.

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6. NUMBER OF PART-TIME GRADUATE STUDENTS		
PART-TIME TOTAL	(1)	
Of the part-time total on line (1), how many are WOMEN?	(2)	
Of the part-time total on line (1), how many are FIRST YEAR?	(3)	

Check List	
☐	1. Do all entries reflect headcounts and NOT FTE's?
☐	2. Do the data in items 5, 7, and 8 add to totals?
☐	3. Have you included all self-supported full-time students in item 5, column I?
☐	4. Have you excluded M.D., D.D.S., and D.V.M. candidates, interns, and residents (except those enrolled in joint programs with the Ph. D.) from items 5 and 6?

ITEM 7 IS OPTIONAL IN 1979		U.S. CITIZENS					Foreign (F)	TOTAL (Sum of A thru F) (G)
7. RACIAL/ ETHNIC BACKGROUND	Of the graduate student totals in items 5 and 6, how many belong to the following racial/ethnic categories?	Black non-Hispanic (A)	Amer. Indian/ Alaskan Native (B)	Asian/ Pacific Islander (C)	Hispanic (D)	White non-Hispanic (E)		
	Full time (item 5, line 6, col. J)							
	Part time (item 6, line 1)							

8. Number of POSTDOCTORALS and NON-FACULTY DOCTORAL RESEARCH STAFF		POSTDOCTORALS						OTHER NON- FACULTY DOCTORAL RESEARCH STAFF (G)	
		SOURCE OF SUPPORT					TOTAL for all sources A thru D (E)		Of the total in E, how many are FOREIGN? (F)
		Federal			Non- Federal (D)				
		Fellowships (A)	Traineeships (B)	Research Grants (C)					
TOTAL	(1)								
Of the total on line (1), how many are WOMEN?	(2)								

Please provide any comments which might explain variances from prior year's data:

Item 5: _____

Item 6: _____

Item 7: Are these data available at the department level? _____

Item 8: _____

NOTE: This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. All information you provide will be used for statistical purposes

only. Your response is entirely voluntary and your failure to provide some or all of the information will in no way adversely affect your institution.

TABLE IV-A-1. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS
AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 9796

5. FULL-TIME GRADUATE STUDENTS		STUDENTS RECEIVING FINANCIAL ASSISTANCE								TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))	
		FEDERAL SOURCES (EXCLUDING LOANS)				NON-FEDERAL SOURCES					
		DHEW									
		DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		SELF- SUPPORT (FAMILY LOANS & SOURCES)
MECHANISMS OF SUPPORT		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS		(1)	225	826	1,589	1,361	1,062	10,132	2,759	2,999	20,893
GRADUATE TRAINEESHIPS		(2)	53	5,762	7,845	267	1,057	3,003	504	959	19,450
GRADUATE RESEARCH ASSISTANTSHIPS		(3)	2,804	5,680	1,141	7,505	11,586	15,770	687	4,926	49,499
GRADUATE TEACHING ASSISTANTSHIPS		(4)		116	141	36	384	51,202		410	52,289
OTHER TYPES OF SUPPORT		(5)	1,958	346	539	203	2,771	6,888	3,899	3,939	80,657
FULL-TIME TOTAL		(6)	5,040	12,130	11,255	9,372	16,800	86,995	7,849	13,233	124,331
FULL-TIME WOMEN		(7)	414	4,395	7,333	1,538	3,396	26,174	1,658	3,686	79,213

FULL-TIME FOREIGN STUDENTS		(8)	46,978
FULL-TIME FIRST-YEAR STUDENTS		(9)	1,81,529

6. PART-TIME GRADUATE STUDENTS		POSTDOCTORALS						OTHER STAFF
		SOURCE OF SUPPORT				TOTAL OF THE		
		FEDERAL				FOR ALL THE		
AND NON- FACULTY DOCTORAL RESEARCH STAFF		FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	(E) (A NUMBER THRU D)	(F) (E) IN FOREIGN	
		(A)	(B)	(C)	(D)	(E)	(F)	
TOTAL		(1)	2,856	2,607	8,399	9,777	118,639	
WOMEN		(2)	572	596	1,332	889	3,389	

PART-TIME TOTAL		(1)	131,936
PART-TIME WOMEN		(2)	147,890
PART-TIME FIRST-YEAR STUDENTS		(3)	43,419

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-A-2. SUMMARY OF RESPONSES FROM ALL ENGINEERING
DEPARTMENTS AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 1177

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				SELF- SUPPORT (INCL. LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES			
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES						
									(A)		
MECHANISMS OF SUPPORT	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
GRADUATE FELLOWSHIPS	(1)	32	26	289	182	152	1,339	667	829		3,885
GRADUATE TRAINEESHIPS	(2)	15	152	219	86	141	220	86	133		1,007
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	1,544	319	113	2,130	3,884	2,684	153	1,936		12,263
GRADUATE TEACHING ASSISTANTSHIPS	(4)		6	4	60	6,664			69		6,831
OTHER TYPES OF SUPPORT	(5)	1,181	13	19	49	542	824	1,232	861	11,926	16,647
FULL-TIME TOTAL	(6)	2,772	563	634	2,411	9,779	11,731	2,078	3,828	11,926	40,663
FULL-TIME WOMEN	(7)	93	67	124	161	385	1,128	88	359	1,149	3,554

FULL-TIME FOREIGN STUDENTS	(8)	16,705
FULL-TIME FIRST-YEAR STUDENTS	(9)	15,298

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				SELF- SUPPORT (INCL. LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES			
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES						
									(A)		
MECHANISMS OF SUPPORT	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
PART-TIME TOTAL	(1)	33,855									
PART-TIME WOMEN	(2)	2,791									
PART-TIME FIRST-YEAR STUDENTS	(3)	11,569									

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	FEDERAL					NON-FEDERAL						
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCL. LOANS & FAMILY SOURCES)			
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES							
										(A)		
MECHANISMS OF SUPPORT	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
POSTDOCTORAL FELLOWSHIPS	(1)	49	18	704	302	1,073	663	265				
POSTDOCTORAL TRAINEESHIPS	(2)	6	4	26	13	49	24	12				

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-A-3. SUMMARY OF RESPONSES FROM ALL PHYSICAL SCIENCE
DEPARTMENTS AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 695

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)		
MECHANISMS OF SUPPORT										
GRADUATE FELLOWSHIPS	(1)	18	28	38	260	39	880	203	433	1,899
GRADUATE TRAINEESHIPS	(2)	5	196	6	40	25	198	11	74	455
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	571	1,164	114	2,623	1,981	849	44	477	7,823
GRADUATE TEACHING ASSISTANTSHIPS	(4)		42	3	5	83	9,749		35	9,917
OTHER TYPES OF SUPPORT	(5)	83	43	9	36	163	344	143	77	1,653
FULL-TIME TOTAL	(6)	677	1,423	170	2,964	2,291	11,970	461	1,096	22,645
FULL-TIME WOMEN	(7)	68	277	46	325	236	2,032	52	170	3,681

FULL-TIME FOREIGN STUDENTS	(8)	5,353
FULL-TIME FIRST-YEAR STUDENTS	(9)	5,765

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS						TOTAL FOR ALL SOURCES (A THRU D)	OTHER OF THE TOTAL (E) NUMBER FOREIGN STAFF
	SOURCE OF SUPPORT							
	FEDERAL							
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL				
	(A)	(B)	(C)	(D)	(E)	(F)		
PART-TIME TOTAL	(1)	285	66	2,997	712	4,059	2,000	669
PART-TIME WOMEN	(2)	20	7	295	64	386	131	55
PART-TIME FIRST-YEAR STUDENTS	(3)	1,367						

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-A-4. SUMMARY OF RESPONSES FROM ALL ENVIRONMENTAL SCIENCE DEPARTMENTS AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 337

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL	
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF-SUPPORT	FOR ALL	
	OTHER									SOURCES	SOURCES
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	(INCLUD. LOANS & FAMILY SOURCES)	(SUM OF COLUMNS (A) THRU (J))	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(11)	9	16	108	79	51	337	137	94	831	
GRADUATE TRAINEESHIPS	(12)	4	21	77	2	80	80	16	15	269	
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	189	7	25	1,127	1,295	549	32	266	3,890	
GRADUATE TEACHING ASSISTANTSHIPS	(14)		0	0	0	23	2,996		25	2,552	
OTHER TYPES OF SUPPORT	(15)	190	0	0	52	100	154	127	2,373	3,154	
FULL-TIME TOTAL	(16)	392	43	214	1,288	1,569	3,616	333	527	10,296	
FULL-TIME WOMEN	(17)	92	13	65	294	293	849	23	110	2,143	

FULL-TIME FOREIGN STUDENTS	(18)	1,324
FULL-TIME FIRST-YEAR STUDENTS	(19)	3,127

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS								
	AND NON-FACULTY DOCTORAL RESEARCH STAFF	SOURCE OF SUPPORT				TOTAL OF THE		OTHER	
		FEDERAL				FOR ALL TOTAL		NON-	
		FELLOW SHIPS	TRAINEE-RESEARCH GRANTS	NON-FEDERAL	RESEARCH	SOURCES (E)	(A NUMBER	FACULTY DOCTORAL RESEARCH STAFF	
PART-TIME TOTAL	(11)	20	18	225	66	329	112	105	
PART-TIME WOMEN	(12)	0	4	20	12	36	6	7	
PART-TIME FIRST-YEAR STUDENTS	(13)	637							

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-A-5. SUMMARY OF RESPONSES FROM ALL MATHEMATICAL SCIENCE DEPARTMENTS AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 583

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL	
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF-SUPPORT	FOR ALL	
	OTHER									SOURCES	SOURCES
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	(INCLUD. LOANS & FAMILY SOURCES)	(SUM OF COLUMNS (A) THRU (J))	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(11)	16	2	21	139	15	601	221	146	1,161	
GRADUATE TRAINEESHIPS	(12)	0	27	9	11	4	109	15	22	192	
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	296	68	10	915	202	583	9	62	1,653	
GRADUATE TEACHING ASSISTANTSHIPS	(14)		3	1	6	3	6,712		10	6,735	
OTHER TYPES OF SUPPORT	(15)	114	1	1	6	80	304	269	352	5,464	
FULL-TIME TOTAL	(16)	426	101	48	577	304	8,309	454	592	15,205	
FULL-TIME WOMEN	(17)	44	19	22	74	43	1,855	78	132	3,197	

FULL-TIME FOREIGN STUDENTS	(18)	4,545
FULL-TIME FIRST-YEAR STUDENTS	(19)	5,241

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS								
	SOURCE OF SUPPORT					TOTAL	OF THE	OTHER	
	FEDERAL					FOR ALL	TOTAL	NON-	
	FELLOW-SHIPS	TRAINEE-SHIPS	RESEARCH GRANTS	NON-FEDERAL	(THRU D)	SOURCES (A) (B) (C) (D) (E) (F) (G) (H) (I) (J)	(E) (F) (G) (H) (I) (J)	DOCTORAL RESEARCH STAFF	
PART-TIME TOTAL	(11)	13	6	87	97	203	94	108	
PART-TIME WOMEN	(12)	1	0	6	15	22	8	11	
PART-TIME FIRST-YEAR STUDENTS	(13)	1	0	6	15	22	8	11	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-A-6. SUMMARY OF RESPONSES FROM ALL LIFE SCIENCE DEPARTMENTS AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 4931

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	54	507	370	386	208	2,313	686	537	5,061
GRADUATE TRAINEESHIPS	(12)	10	4,887	5,819	109	370	1,018	229	236	12,279
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	162	3,695	295	785	9,112	6,148	362	1,673	15,517
GRADUATE TEACHING ASSISTANTSHIPS	(14)		66	110	9	148	11,889		152	12,379
OTHER TYPES OF SUPPORT	(15)	159	257	209	38	645	2,150	1,326	902	26,017
FULL-TIME TOTAL	(16)	325	8,362	6,798	1,327	9,883	23,514	2,597	3,500	20,337
FULL-TIME WOMEN	(17)	90	3,688	5,268	422	1,306	8,693	485	1,284	10,297

FULL-TIME FOREIGN STUDENTS	(18)	8,627
FULL-TIME FIRST-YEAR STUDENTS	(19)	23,907

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS							
	SOURCE OF SUPPORT				TOTAL FOR ALL SOURCES (A THRU D)	OF THE TOTAL (E) NUMBER OF FOREIGN STAFF	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF	
	FEDERAL							
	FELLOW- SHIPS	TRAINEE- SHIPS	RESEARCH GRANTS	NON- FEDERAL				
PART-TIME TOTAL	(11)	2,351	3,317	6,182	3,255	112,105	3,079	1,506
PART-TIME WOMEN	(12)	997	510	921	664	2,592	883	452
PART-TIME FIRST-YEAR STUDENTS	(13)	9,314						

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-A-7. SUMMARY OF RESPONSES FROM ALL PSYCHOLOGY DEPARTMENTS AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 498

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INSTIT. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	20	144	163	99	45	930	50	208	1,659
GRADUATE TRAINEESHIPS	(2)	19	608	822	9	113	837	23	160	2,186
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	82	356	368	146	211	1,206	9	155	2,528
GRADUATE TEACHING ASSISTANTSHIPS	(4)		3	4	0	35	4,472		9	4,523
OTHER TYPES OF SUPPORT	(5)	34	27	69	7	244	1,139	47	830	12,533
FULL-TIME TOTAL	(6)	150	1,138	1,426	261	648	8,184	124	1,362	25,826
FULL-TIME WOMEN	(7)	44	597	765	117	241	3,990	48	652	12,557

FULL-TIME FOREIGN STUDENTS	(8)	1,143
FULL-TIME FIRST-YEAR STUDENTS	(9)	7,691

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS						TOTAL OF THE FOR ALL THE SOURCES IN (E) (A NUMBER THRU D)	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT				FELLOW- SHIPS	RE- SEARCH GRANTS		
	FEDERAL							
	AND NON- FACULTY DOCTORAL RESEARCH STAFF	TRAINEE- SHIPS	SEARCH	NON- FEDERAL				
PART-TIME TOTAL	(1)	90	70	124	172	456	34	63
PART-TIME WOMEN	(2)	30	20	38	70	158	13	33
PART-TIME FIRST-YEAR STUDENTS	(3)							

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-A-8. SUMMARY OF RESPONSES FROM ALL SOCIAL SCIENCE DEPARTMENTS AT ALL GRADUATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 1585

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INSTIT. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	76	109	665	216	492	3,732	855	752	6,837
GRADUATE TRAINEESHIPS	(2)	5	321	903	30	369	995	136	319	3,067
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	20	121	213	279	901	3,751	83	357	5,225
GRADUATE TEACHING ASSISTANTSHIPS	(4)		2	19	4	32	9,220		110	9,387
OTHER TYPES OF SUPPORT	(5)	197	5	225	15	997	1,973	799	790	27,441
FULL-TIME TOTAL	(6)	298	558	1,965	544	2,786	19,671	1,862	2,328	27,441
FULL-TIME WOMEN	(7)	33	334	1,163	195	892	7,677	285	979	11,851

FULL-TIME FOREIGN STUDENTS	(8)	9,281
FULL-TIME FIRST-YEAR STUDENTS	(9)	20,370

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS						TOTAL FOR ALL TOTAL SOURCES (E) (A NUMBER THRU D)	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT				TOTAL			
	FEDERAL				IFOR ALL			
	AND NON- FACULTY DOCTORAL RESEARCH STAFF	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	THRU D)		
PART-TIME TOTAL	(1)	69	112	80	173	419	101	181
PART-TIME WOMEN	(2)	18	51	26	51	146	20	97
PART-TIME FIRST-YEAR STUDENTS	(3)	12,595						

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-1. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 8360

5. FULL-TIME GRADUATE STUDENTS		STUDENTS RECEIVING FINANCIAL ASSISTANCE								TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))	
		FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
		DHEW									
		DEPT. OF DEFENSE	NATIONAL INSTIT. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)
MECHANISMS OF SUPPORT		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS		(1)	224	794	1,526	1,351	984	9,858	2,721	2,874	20,326
GRADUATE TRAINEESHIPS		(2)	52	5,716	7,473	230	970	2,899	999	908	18,747
GRADUATE RESEARCH ASSISTANTSHIPS		(3)	2,797	5,605	1,136	7,463	11,428	15,111	687	9,870	48,697
GRADUATE TEACHING ASSISTANTSHIPS		(4)		169	137	27	343	98,785		376	99,777
OTHER TYPES OF SUPPORT		(5)	1,925	335	489	201	2,269	6,395	3,652	3,541	67,983
FULL-TIME TOTAL		(6)	4,998	11,955	16,725	9,272	15,994	83,048	7,559	12,569	224,057
FULL-TIME WOMEN		(7)	412	4,323	7,605	1,501	3,214	24,646	1,021	3,339	71,883

FULL-TIME FOREIGN STUDENTS		(8)	44,795
FULL-TIME FIRST-YEAR STUDENTS		(9)	73,263

6. PART-TIME GRADUATE STUDENTS		POSTDOCTORALS							
		SOURCE OF SUPPORT					TOTAL FOR ALL SOURCES (A THRU D)	TOTAL OF THE TOTAL (E) NUMBER FOREIGN STAFF	
		FEDERAL							
		FELLOW SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL				
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
TOTAL		(1)	2,853	2,407	8,363	9,766	118,589	6,075	2,489
WOMEN		(2)	571	596	1,323	889	3,379	689	616

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-2. SUMMARY OF RESPONSES FROM ALL ENGINEERING DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 1025

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF-SUPPORT (INCLUDING LOANS & FAMILY SOURCES)	
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	32	20	280	182	151	1,304	606	818	3,393
GRADUATE TRAINEESHIPS	(12)	15	152	176	96	138	217	86	130	960
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	1,542	319	113	2,130	3,874	2,619	153	1,939	12,684
GRADUATE TEACHING ASSISTANTSHIPS	(14)		0	0	0	57	6,995		63	6,573
OTHER TYPES OF SUPPORT	(15)	1,181	13	19	49	509	777	1,128	853	11,143
FULL-TIME TOTAL	(16)	2,770	564	592	2,811	4,729	11,362	1,973	3,798	39,282
FULL-TIME WOMEN	(17)	93	67	101	161	381	1,066	88	350	1,028

FULL-TIME FOREIGN STUDENTS	(18)	16,179
FULL-TIME FIRST-YEAR STUDENTS	(19)	14,637

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS SOURCE OF SUPPORT									TOTAL OF THE NON-FACULTY DOCTORAL RESEARCH STAFF (SUM OF COLUMNS (A) THRU (J))
	FEDERAL					NON-FEDERAL			OTHER	
	FELLOW-SHIPS	TRAINEE-SHIPS	RESEARCH GRANTS	NON-FEDERAL	INSTITUTIONAL	FOREIGN	OTHER U.S.	SELF-SUPPORT		
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
TOTAL	(11)	49	18	784	302	1,073	3,798	11,143	39,282	265
WOMEN	(12)	6	9	26	13	49	24	12		

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-3. SUMMARY OF RESPONSES FROM ALL PHYSICAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 521

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (INCLUDING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	18	24	37	258	37	867	200	426	1,467
GRADUATE TRAINEESHIPS	(12)	5	182	6	36	23	133	10	74	429
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	571	1,188	119	2,618	1,956	824	44	465	7,740
GRADUATE TEACHING ASSISTANTSHIPS	(14)		92	3	1	80	9,392		29	9,567
OTHER TYPES OF SUPPORT	(15)	78	43	9	36	162	327	141	72	2,339
FULL-TIME TOTAL	(16)	632	1,399	169	2,909	2,258	11,543	395	1,066	14,921
FULL-TIME WOMEN	(17)	68	272	45	319	231	1,937	49	162	3,322

FULL-TIME FOREIGN STUDENTS	(18)	5,187
FULL-TIME FIRST-YEAR STUDENTS	(19)	5,506

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS SOURCE OF SUPPORT									TOTAL OF THE NON-FACULTY DOCTORAL RESEARCH STAFF (SUM OF COLUMNS (A) THRU (J))
	FEDERAL					NON-FEDERAL				
	FELLOW-SHIPS	TRAINEE-SHIPS	RESEARCH GRANTS	NON-FEDERAL	INSTITUTIONAL	FOREIGN	OTHER U.S.	SELF-SUPPORT	OTHER	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
TOTAL	(11)	283	66	2,977	702	9,028	1,992	468		
WOMEN	(12)	20	7	292	64	383	130	54		

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-4. SUMMARY OF RESPONSES FROM ALL ENVIRONMENTAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 288

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (INCLUDING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	9	16	107	77	51	328	137	94	819
GRADUATE TRAINEESHIPS	(12)	4	21	26	22	39	80	16	15	267
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	189	7	25	1,121	1,287	532	32	259	3,652
GRADUATE TEACHING ASSISTANTSHIPS	(14)		0	0	0	23	2,392		20	2,411
OTHER TYPES OF SUPPORT	(15)	190	0	2	50	92	140	145	123	2,490
FULL-TIME TOTAL	(16)	392	44	216	1,276	1,492	3,472	324	511	9,919
FULL-TIME WOMEN	(17)	42	13	65	242	289	823	23	109	2,065

FULL-TIME FOREIGN STUDENTS	(18)	1,280
FULL-TIME FIRST-YEAR STUDENTS	(19)	3,116

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS									TOTAL OF THE NON-FACULTY DOCTORAL RESEARCH STAFF (SUM OF COLUMNS (A) THRU (J))
	SOURCE OF SUPPORT									
	FEDERAL					NON-FEDERAL				
	FELLOW-SHIPS	TRAINEE-SHIPS	RESEARCH GRANTS	NON-FEDERAL	INSTITUTIONAL	FOREIGN	OTHER U.S.	SELF-SUPPORT	OTHER	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
TOTAL	(11)	20	18	225	66	329	112	105		
WOMEN	(12)	0	4	20	12	36	4	7		

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-5. SUMMARY OF RESPONSES FROM ALL MATHEMATICAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 421

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHFW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHFW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
MECHANISMS OF SUPPORT										
GRADUATE FELLOWSHIPS	(11)	10	2	18	139	15	590	221	196	1,147
GRADUATE TRAINEESHIPS	(12)	0	27	9	10	9	104	15	22	186
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	296	68	17	915	200	561	9	60	1,626
GRADUATE TEACHING ASSISTANTSHIPS	(14)		3	1	2	2	6,920		0	6,917
OTHER TYPES OF SUPPORT	(15)	119	1	3	6	66	269	169	349	8,583
FULL-TIME TOTAL	(16)	526	101	43	575	287	7,924	519	583	13,959
FULL-TIME WOMEN	(17)	99	19	18	73	92	1,790	69	131	2,896

FULL-TIME FOREIGN STUDENTS	(18)	9,253
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FULL-TIME FIRST-YEAR STUDENTS	(19)	9,689
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6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS							TOTAL FOR ALL SOURCES (A NUMBER FOREIGN STAFF)
	E. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	SOURCE OF SUPPORT				TOTAL OF THE (E) (NUMBER FOREIGN STAFF)		
		FEDERAL						
		FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL			
		(A)	(B)	(C)	(D)			
PART-TIME TOTAL	(11)	13	6	87	97	203	99	128
PART-TIME WOMEN	(12)	1	0	6	15	22	8	11
PART-TIME FIRST-YEAR STUDENTS	(13)	2,883						

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-6. SUMMARY OF RESPONSES FROM ALL LIFE SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 4585

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHFW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHFW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
	(A)	(B)	(C)	(D)	(E)					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	59	983	396	380	203	2,266	661	520	4,913
GRADUATE TRAINEESHIPS	(12)	10	4,965	5,624	84	339	987	229	233	11,971
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	162	2,998	290	766	3,067	5,959	362	1,650	15,129
GRADUATE TEACHING ASSISTANTSHIPS	(14)		59	169	7	126	11,119		194	11,569
OTHER TYPES OF SUPPORT	(15)	133	296	186	38	610	2,016	1,309	812	22,959
FULL-TIME TOTAL	(16)	299	8,251	6,555	1,275	4,285	22,392	2,556	3,359	66,536
FULL-TIME WOMEN	(17)	69	3,690	5,024	905	1,265	8,173	973	1,202	28,839

FULL-TIME FOREIGN STUDENTS	(18)	8,153
FULL-TIME FIRST-YEAR STUDENTS	(19)	21,992

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS									TOTAL OF THE OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	AND NON- FACULTY DOCTORAL RESEARCH STAFF	SOURCE OF SUPPORT					TOTAL OF ALL SOURCES (A NUMBER THRU D)	FOR FOREIGN		
		FEDERAL								
		FELLOW- SHIPS	TRAINEE- SHIPS	RESEARCH GRANTS	NON- FEDERAL	OTHER				
		(A)	(B)	(C)	(D)	(E)			(F)	
PART-TIME TOTAL	(11)	2,399	2,317	4,169	3,259	112,089	3,079	1,501		
PART-TIME WOMEN	(12)	12,366	996	510	917	669	2,597	483	452	
PART-TIME FIRST-YEAR STUDENTS	(13)	6,583								

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-7. SUMMARY OF RESPONSES FROM ALL PSYCHOLOGY DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 317

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHFW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHFW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
MECHANISMS OF SUPPORT										
GRADUATE FELLOWSHIPS	(11)	20	169	199	99	95	838	50	198	1,530
GRADUATE TRAINEESHIPS	(12)	14	599	801	5	112	429	23	120	2,106
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	82	349	366	193	207	1,030	9	152	2,333
GRADUATE TEACHING ASSISTANTSHIPS	(14)		3	9	0	29	9,191		0	9,180
OTHER TYPES OF SUPPORT	(15)	34	27	60	7	169	1,001	36	752	8,867
FULL-TIME TOTAL	(16)	150	1,117	1,375	259	552	7,439	113	1,230	20,705
FULL-TIME WOMEN	(17)	99	586	685	113	217	3,560	45	582	9,299

FULL-TIME FOREIGN STUDENTS	(18)	961
FULL-TIME FIRST-YEAR STUDENTS	(19)	5,455

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS								
	FEDERAL					NON-FEDERAL			
	AND NON- FACULTY DOCTORAL RESEARCH STAFF								
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	TOTAL FOR ALL SOURCES (A THRU D)	OTHER FOR THE TOTAL (E) (NUMBER THRU F)	NON- FACULTY DOCTORAL RESEARCH STAFF		
	(A)	(B)	(C)	(D)	(E)	(F)	(G)		
PART-TIME TOTAL	(11)	90	20	129	172	456	39	63	
PART-TIME WOMEN	(12)	30	20	30	70	150	13	33	
PART-TIME FIRST-YEAR STUDENTS	(13)								

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-8. SUMMARY OF RESPONSES FROM ALL SOCIAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 1203

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF-SUPPORT (INCLUDING LOANS & FAMILY SOURCES) (I)		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DMHW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES			
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(11)	75	105	588	216	482	3,665	896	672	6,049	
GRADUATE TRAINEESHIPS	(12)	4	315	786	27	315	949	126	306	2,828	
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	15	116	211	270	897	3,591	83	350	5,533	
GRADUATE TEACHING ASSISTANTSHIPS	(14)		2	16	1	31	8,856		106	9,055	
OTHER TYPES OF SUPPORT	(15)	195	5	210	15	666	1,665	729	580	23,404	
FULL-TIME TOTAL	(16)	289	543	1,811	532	2,391	10,966	1,784	2,019	23,404	
FULL-TIME WOMEN	(17)	32	326	1,667	188	789	7,347	274	803	9,906	

FULL-TIME FOREIGN STUDENTS	(18)	8,782
FULL-TIME FIRST-YEAR STUDENTS	(19)	17,918

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS										TOTAL OF THE OTHER NON-FACULTY DOCTORAL RESEARCH STAFF (E) (NUMBER FOREIGN)
	SOURCE OF SUPPORT					TOTAL FOR ALL SOURCES (A) (NUMBER FOREIGN)					
	FEDERAL	RE-SEARCH GRANTS	NON-FEDERAL	THRU D	OTHER FOREIGN						
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
PART-TIME TOTAL	(11)	49	112	77	173	911	101	179			
PART-TIME WOMEN	(12)	18	51	29	51	144	20	67			
PART-TIME FIRST-YEAR STUDENTS	(13)	8,772									

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-9. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 6524

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF-SUPPORT (INCLUDING LOANS & FAMILY SOURCES) (I)		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DMHW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		(J)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(11)	175	799	1,132	1,337	830	8,982	2,511	2,628	18,389	
GRADUATE TRAINEESHIPS	(12)	93	5,839	9,376	196	772	2,390	429	725	19,375	
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	2,799	9,917	1,637	7,307	10,698	13,291	668	9,513	95,130	
GRADUATE TEACHING ASSISTANTSHIPS	(14)		169	95	27	299	92,965	291		93,736	
OTHER TYPES OF SUPPORT	(15)	1,918	326	318	197	1,669	5,105	3,361	2,787	51,760	
FULL-TIME TOTAL	(16)	4,385	11,535	6,958	9,069	19,213	72,683	6,959	10,994	188,556	
FULL-TIME WOMEN	(17)	399	8,669	8,669	1,897	2,696	20,492	916	2,694	18,154	

FULL-TIME FOREIGN STUDENTS	(18)	40,352
FULL-TIME FIRST-YEAR STUDENTS	(19)	57,668

6. PART-TIME GRADUATE STUDENTS										
PART-TIME TOTAL	(11)	63,273								
PART-TIME WOMEN	(12)	19,110								
PART-TIME FIRST-YEAR STUDENTS	(13)	17,293								

8. POSTDOCTORALS AND NON-FACULTY DOCTORAL RESEARCH STAFF										
SOURCE OF SUPPORT										
FEDERAL										
FELLOW-SHIPS	(A)									
TRAINEE-SHIPS	(B)									
RESEARCH GRANTS	(C)									
NON-FEDERAL	(D)									
FEDERAL THRU D	(E)									
OTHER FOREIGN	(F)									
TOTAL	(11)	2,791	2,536	8,253	8,659	118,229	5,978	2,655		
WOMEN	(12)	557	580	1,303	872	1,312	671	610		

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-10. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL ENGINEERING DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 771

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE								TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))	
	FEDERAL SOURCES (EXCLUDING LOANS)				NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DMHW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	28	16	246	180	132	1,273	575	786	3,236
GRADUATE TRAINEESHIPS	(12)	12	135	117	95	119	209	83	119	839
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	1,520	313	116	2,088	3,720	2,397	193	1,862	12,153
GRADUATE TEACHING ASSISTANTSHIPS	(14)		0	4	4	37	5,716	55		5,816
OTHER TYPES OF SUPPORT	(15)	959	12	19	99	396	662	1,067	791	9,753
FULL-TIME TOTAL	(16)	2,519	876	996	2,366	4,104	10,257	1,868	3,613	9,753
FULL-TIME WOMEN	(17)	85	66	96	160	352	925	81	323	2,929

FULL-TIME FOREIGN STUDENTS	(18)	15,619
FULL-TIME FIRST-YEAR STUDENTS	(19)	13,153

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS						
MECHANISMS OF SUPPORT	SOURCE OF SUPPORT				TOTAL FOR ALL SOURCES (A) THRU (D)	TOTAL OF THE TOTAL (E) (NUMBER OF FOREIGN RESEARCH STAFF)	OTHER NON-FACULTY DOCTORAL RESEARCH STAFF
	FEDERAL	RE-TRAINING	RESEARCH GRANTS	NON-FEDERAL			
FELLOW-SHIPS	(A)	(B)	(C)	(D)	(E)	(F)	(G)
TOTAL	(1)	99	18	690	299	1,056	285
WOMEN	(2)	6	9	26	13	49	12

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-11. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL PHYSICAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 399

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	18	23	37	258	37	853	197	419	1,852
GRADUATE TRAINEESHIPS	(2)	5	191	6	36	23	133	10	73	421
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	559	1,133	113	2,596	1,936	753	49	454	7,588
GRADUATE TEACHING ASSISTANTSHIPS	(4)		42	3		80	8,879	29		9,029
OTHER TYPES OF SUPPORT	(5)	77	43	9	34	160	318	139	70	1,309
FULL-TIME TOTAL	(6)	659	1,382	168	2,919	2,236	10,931	390	1,045	21,038
FULL-TIME WOMEN	(7)	64	265	44	315	228	1,825	49	157	3,149

FULL-TIME FOREIGN STUDENTS	(8)	4,958
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6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	8	16	95	77	39	296	119	73	723
GRADUATE TRAINEESHIPS	(2)	4	13	74	22	33	78	10	10	244
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	181	7	24	1,093	1,195	953	31	235	3,219
GRADUATE TEACHING ASSISTANTSHIPS	(4)		0	0	6	9	1,811	19		1,895
OTHER TYPES OF SUPPORT	(5)	185	6	1	50	86	108	135	103	1,815
FULL-TIME TOTAL	(6)	378	36	199	1,298	1,362	2,796	295	440	8,519
FULL-TIME WOMEN	(7)	42	10	62	237	259	669	22	98	1,778

FULL-TIME FIRST-YEAR STUDENTS	(9)	5,191
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7. FULL-TIME FOREIGN STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	8	16	95	77	39	296	119	73	723
GRADUATE TRAINEESHIPS	(2)	4	13	74	22	33	78	10	10	244
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	181	7	24	1,093	1,195	953	31	235	3,219
GRADUATE TEACHING ASSISTANTSHIPS	(4)		0	0	6	9	1,811	19		1,895
OTHER TYPES OF SUPPORT	(5)	185	6	1	50	86	108	135	103	1,815
FULL-TIME TOTAL	(6)	378	36	199	1,298	1,362	2,796	295	440	8,519
FULL-TIME WOMEN	(7)	42	10	62	237	259	669	22	98	1,778

FULL-TIME FIRST-YEAR STUDENTS	(10)	5,191
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8. POSTDOCTORALS AND NON-FACULTY DOCTORAL RESEARCH STAFF	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	8	16	95	77	39	296	119	73	723
GRADUATE TRAINEESHIPS	(2)	4	13	74	22	33	78	10	10	244
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	181	7	24	1,093	1,195	953	31	235	3,219
GRADUATE TEACHING ASSISTANTSHIPS	(4)		0	0	6	9	1,811	19		1,895
OTHER TYPES OF SUPPORT	(5)	185	6	1	50	86	108	135	103	1,815
FULL-TIME TOTAL	(6)	378	36	199	1,298	1,362	2,796	295	440	8,519
FULL-TIME WOMEN	(7)	42	10	62	237	259	669	22	98	1,778

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-12. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL ENVIRONMENTAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 205

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	1 (1)	8	16	95	77	39	296	119	73	723
GRADUATE TRAINEESHIPS	1 (2)	4	13	74	22	33	78	10	10	244
GRADUATE RESEARCH ASSISTANTSHIPS	1 (3)	181	7	24	1,093	1,195	953	31	235	3,219
GRADUATE TEACHING ASSISTANTSHIPS	1 (4)		0	0	6	9	1,811	19		1,895
OTHER TYPES OF SUPPORT	1 (5)	185	6	1	50	86	108	135	103	1,815
FULL-TIME TOTAL	1 (6)	378	36	199	1,298	1,362	2,796	295	440	8,519
FULL-TIME WOMEN	1 (7)	42	10	62	237	259	669	22	98	1,778

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	1 (1)	8	16	95	77	39	296	119	73	723
GRADUATE TRAINEESHIPS	1 (2)	4	13	74	22	33	78	10	10	244
GRADUATE RESEARCH ASSISTANTSHIPS	1 (3)	181	7	24	1,093	1,195	953	31	235	3,219
GRADUATE TEACHING ASSISTANTSHIPS	1 (4)		0	0	6	9	1,811	19		1,895
OTHER TYPES OF SUPPORT	1 (5)	185	6	1	50	86	108	135	103	1,815
FULL-TIME TOTAL	1 (6)	378	36	199	1,298	1,362	2,796	295	440	8,519
FULL-TIME WOMEN	1 (7)	42	10	62	237	259	669	22	98	1,778

7. FULL-TIME FOREIGN STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	1 (1)	8	16	95	77	39	296	119	73	723
GRADUATE TRAINEESHIPS	1 (2)	4	13	74	22	33	78	10	10	244
GRADUATE RESEARCH ASSISTANTSHIPS	1 (3)	181	7	24	1,093	1,195	953	31	235	3,219
GRADUATE TEACHING ASSISTANTSHIPS	1 (4)		0	0	6	9	1,811	19		1,895
OTHER TYPES OF SUPPORT	1 (5)	185	6	1	50	86	108	135	103	1,815
FULL-TIME TOTAL	1 (6)	378	36	199	1,298	1,362	2,796	295	440	8,519
FULL-TIME WOMEN	1 (7)	42	10	62	237	259	669	22	98	1,778

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT									TOTAL OF THE FOR ALL THE SOURCES (A) (E) (A) NUMBER THRU D) FOREIGN STAFF	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	FEDERAL					RE-					
	FEDERAL					NON-					
	FELLOW- SHIPS	TRAINEE- SHIPS	RESEARCH GRANTS	NON- FEDERAL	THRU D)	THRU D)	THRU D)	THRU D)	THRU D)		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	
TOTAL	1 (1)	20	18	219	69	321	100	102			
WOMEN	1 (2)	0	4	19	12	35	6	7			

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-13. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL MATHEMATICAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 279

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	13	2	18	138	11	551	212	137	1,082
GRADUATE TRAINEESHIPS	(2)	0	26	8	6	9	96	15	11	162
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	296	67	17	980	178	673	7	58	1,696
GRADUATE TEACHING ASSISTANTSHIPS	(4)		3	1	5	2	5,652	6		5,667
OTHER TYPES OF SUPPORT	(5)	43	1	2	6	49	236	158	133	2,588
FULL-TIME TOTAL	(6)	352	99	42	555	248	2,068	392	343	11,613
FULL-TIME WOMEN	(7)	39	18	10	68	33	1,456	66	85	2,328

FULL-TIME FOREIGN STUDENTS	(8)	3,588
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FULL-TIME FIRST-YEAR STUDENTS	(9)	3,678
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6a. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS									TOTAL FOR ALL SOURCES (A THRU D)	OF THE TOTAL (E) NUMBER FOREIGN	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT					FELLOW- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL				
	FEDERAL											
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	OTHER							
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)		
PART-TIME TOTAL	(1)	5	183									
PART-TIME WOMEN	(2)	1,248										
PART-TIME FIRST-YEAR STUDENTS	(3)	1,710										

TOTAL	(1)	13	5	87	97	202	98	105
WOMEN	(2)	1	0	6	15	22	8	11

TABLE IV-B-14. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL LIFE SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 3903

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL	FOR ALL
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF-SUPPORT	SOURCES	
	DHHS								(INCLUD.	(SUM OF	
	DEPT. OF DEFENSE	NATIONAL INSTITUTE OF HEALTH	OTHER DHHS	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	FAMILY SOURCES)	(A) THRU (J))	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	23	969	203	377	169	2,055	599	969	4,359	
GRADUATE TRAINEESHIPS	(2)	6	4,299	3,603	72	256	779	172	143	8,731	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	98	2,946	231	737	2,726	5,983	359	1,997	18,077	
GRADUATE TEACHING ASSISTANTSHIPS	(4)		59	73	7	76	9,603		102	9,920	
OTHER TYPES OF SUPPORT	(5)	70	238	117	36	431	1,538	1,269	656	12,132	
FULL-TIME TOTAL	(6)	197	8,006	3,628	1,229	3,658	19,658	2,339	2,862	53,509	
FULL-TIME WOMEN	(7)	56	2,885	2,585	388	1,012	6,772	915	938	20,709	

FULL-TIME FOREIGN STUDENTS	(8)	7,093
FULL-TIME FIRST-YEAR STUDENTS	(9)	15,893

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS						OTHER
	SOURCE OF SUPPORT					TOTAL OF THE	NON-
	AND NON-FACULTY DOCTORAL RESEARCH STAFF					FOR ALL THE	FACULTY
	FEDERAL	RE-FELLOW-SHIPS	TRAINEE-SHIPS	RESEARCH GRANTS	NON-FEDERAL	SOURCES (A) THRU (F)	DOCTORAL RESEARCH STAFF
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
TOTAL	(11)	2,300	2,297	4,108	3,179	11,829	3,027
WOMEN	(12)	984	994	903	653	2,534	975

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-15. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL PSYCHOLOGY DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 247

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (FAMILY SOURCES)	
	DEPT. OF DEFENSE	NATIONAL INSTITUTE OF HEALTH	OTHER DHHS	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	20	144	144	93	44	825	82	197	1,509
GRADUATE TRAINEESHIPS	(2)	14	592	718	3	109	365	23	119	1,938
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	80	339	363	131	202	909	4	146	2,174
GRADUATE TEACHING ASSISTANTSHIPS	(4)		3	4	0	24	3,700		8	3,819
OTHER TYPES OF SUPPORT	(5)	33	27	58	7	150	916	25	729	2,529
FULL-TIME TOTAL	(6)	147	1,165	1,287	234	524	6,795	94	1,199	18,914
FULL-TIME WOMEN	(7)	42	579	632	100	210	3,190	37	560	9,114

FULL-TIME FOREIGN STUDENTS	(8)	1	965							
FULL-TIME FIRST-YEAR STUDENTS	(9)	4,670								

6. PART-TIME GRADUATE STUDENTS										
PART-TIME TOTAL	(11)	5,993								
PART-TIME WOMEN	(12)	3,211								
PART-TIME FIRST-YEAR STUDENTS	(13)	911								

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	SOURCE OF SUPPORT					TOTAL OF THE		OTHER NON- FACULTY DOCTORAL RESEARCH STAFF	
	FEDERAL		RE- FELLOW- SHIPS		TRAI- NEE- SHIPS	RESEARCH GRANTS	NON- FEDERAL		FOR ALL SOURCES (A) THRU (F)
	(A)	(B)	(C)	(D)	(E)	(F)	(G)		
TOTAL	(11)	90	70	120	171	451	38	63	
WOMEN	(12)	30	20	36	69	155	13	33	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-16. SUMMARY OF RESPONSES FROM DOCTORATE-LEVEL SOCIAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 719

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL (FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DEPT. OF DEFENSE	NATIONAL INSTITUTE OF HEALTH	OTHER DHHS	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	65	79	389	214	398	3,129	767	602	5,693
GRADUATE TRAINEESHIPS	(2)	2	233	953	18	233	730	121	250	2,090
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	15	112	129	262	741	2,773	80	261	9,823
GRADUATE TEACHING ASSISTANTSHIPS	(4)		2	16	4	21	7,529		74	7,690
OTHER TYPES OF SUPPORT	(5)	51	5	112	15	392	1,327	608	305	18,693
FULL-TIME TOTAL	(6)	133	431	1,193	513	1,785	15,888	1,576	1,992	39,209
FULL-TIME WOMEN	(7)	21	246	632	179	602	5,655	246	533	18,888

FULL-TIME FOREIGN STUDENTS	(8)	7,657
FULL-TIME FIRST-YEAR STUDENTS	(9)	12,524

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS								
	SOURCE OF SUPPORT					TOTAL (FOR ALL SOURCES (A) THRU (F))	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF		
	FEDERAL	RE- FELLOW- SHIPS	TRAINEE- SHIPS	RESEARCH GRANTS	NON- FEDERAL				
PART-TIME TOTAL	(11)	37	112	76	167	392	99		
PART-TIME WOMEN	(12)	16	51	24	51	142	19		
PART-TIME FIRST-YEAR STUDENTS	(13)	3,951							

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-17. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 1836

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)		
	DHEN					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES			
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEN	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES						
	(A)	(B)	(C)	(D)	(E)					(F)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	49	50	388	19	154	876	210	196	1,937	
GRADUATE TRAINEESHIPS	(2)	9	277	3,697	35	198	509	65	183	4,372	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	98	88	99	156	730	1,870	19	357	3,367	
GRADUATE TEACHING ASSISTANTSHIPS	(4)		0	42	0	94	5,820		85	6,041	
OTHER TYPES OF SUPPORT	(5)	507	9	171	9	605	1,290	311	754	16,143	
FULL-TIME TOTAL	(6)	613	424	3,797	208	1,781	10,365	605	1,575	35,511	
FULL-TIME WOMEN	(7)	63	254	2,936	54	518	4,154	105	645	7,670	

FULL-TIME FOREIGN STUDENTS (B) 1 4,993

FULL-TIME FIRST-YEAR STUDENTS (I) 1 15,595

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (I) 1 39,390

PART-TIME WOMEN (I) 1 13,715

PART-TIME FIRST-YEAR STUDENTS (I) 1 13,284

SOURCE: NATIONAL SCIENCE FOUNDATION

B. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT						TOTAL OF THE FOR ALL TOTAL SOURCES IN (E) (A) NUMBER (THRU D) FOREIGN STAFF	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	FEDERAL				NON- FEDERAL			
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL				
	(A)	(B)	(C)	(D)	(E)	(F)		
	(A)	(B)	(C)	(D)	(E)	(F)		
TOTAL	(1)	62	71	110	117	360	27	33
WOMEN	(2)	19	16	20	17	67	13	6

TABLE IV-B-18. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL ENGINEERING DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 254

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEN					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES			
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEN	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES						
									(A)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	1	9	34	2	19	31	31	32		157	
GRADUATE TRAINEESHIPS	1	3	17	59	1	19	8	3	11	121	
GRADUATE RESEARCH ASSISTANTSHIPS	1	22	6	3	42	154	222	10	72	531	
GRADUATE TEACHING ASSISTANTSHIPS	1		0	0	20	729		8		757	
OTHER TYPES OF SUPPORT	1	222	3	0	113	115	61	62	1,390	1,968	
FULL-TIME TOTAL	1	251	28	96	45	325	1,105	105	1,390	3,530	
FULL-TIME WOMEN	1	8	1	5	1	29	191	7	27	187	

FULL-TIME FOREIGN STUDENTS (B) 1 1,160

FULL-TIME FIRST-YEAR STUDENTS (I) 1 1,984

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (I) 1 8,035

PART-TIME WOMEN (I) 1 651

PART-TIME FIRST-YEAR STUDENTS (I) 1 2,984

SOURCE: NATIONAL SCIENCE FOUNDATION

B. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS										OTHER FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT					TOTAL OF THE					
	FEDERAL					IF FOR ALL THE					
						RESOURCES IN (E)					
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	THRU (D)	(A) NUMBER	(B)	(C)	(D)	(E)	
TOTAL	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	0	0	14	3	17	9	0			0	
WOMEN	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	0	
	0	0	0	0	0	0	0			0	

TABLE IV-B-19. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL PHYSICAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 122

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCL. OF LOANS & FAMILY SOURCES)		
	DHEN										
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEN	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES			
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)		(I)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	1	0	0	0	14	3	7	25	
GRADUATE TRAINEESHIPS	(2)	0	1	0	6	0	0	0	1	8	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	12	15	3	22	20	71	0	11	152	
GRADUATE TEACHING ASSISTANTSHIPS	(4)		0	0	0	0	518		0	518	
OTHER TYPES OF SUPPORT	(5)	1	0	0	2	2	9	2	2	167	
FULL-TIME TOTAL	(6)	13	17	3	30	22	612	5	21	888	
FULL-TIME WOMEN	(7)	4	7	1	4	3	112	0	5	178	

FULL-TIME FOREIGN STUDENTS (B) 1 229

FULL-TIME FIRST-YEAR STUDENTS (I) 1 315

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (I) 1 802

PART-TIME WOMEN (I) 1 172

PART-TIME FIRST-YEAR STUDENTS (I) 1 290

SOURCE: NATIONAL SCIENCE FOUNDATION

B. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT										TOTAL OF THE TOTAL NUMBER IN (E) (F) FOREIGN	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	FEDERAL			NON-FEDERAL								
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS									
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)				
	TOTAL	(1)	0	24	25	50	30	2				
WOMEN	(2)	0	3	5	8	0	0					

TABLE IV-B-20. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL ENVIRONMENTAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 82

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DHEW										
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCL. LOANS & FAMILY)	OTHER SOURCES	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	1	0	12	0	12	32	18	21	96	
GRADUATE TRAINEESHIPS	(2)	0	0	2	0	6	2	0	5	23	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	0	1	28	92	29	1	24	233	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	14	58	1	1	59	
OTHER TYPES OF SUPPORT	(5)	5	0	1	0	6	32	16	20	383	
FULL-TIME TOTAL	(6)	15	0	16	28	130	72	29	71	383	
FULL-TIME WOMEN	(7)	0	0	0	0	30	154	1	11	297	

FULL-TIME FOREIGN STUDENTS	(8)	1	144
FULL-TIME FIRST-YEAR STUDENTS	(9)	1	553

6. PART-TIME GRADUATE STUDENTS										
PART-TIME TOTAL	(11)	1	562							
PART-TIME WOMEN	(12)	1	136							
PART-TIME FIRST-YEAR STUDENTS	(13)	1	128							

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS					TOTAL FOR ALL SOURCES (A THRU D)	OTHER FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT						
	FEDERAL						
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	OTHER		
TOTAL	(11)	0	0	6	2	8	3
WOMEN	(12)	0	0	1	0	1	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-21. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL MATHEMATICAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 142

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (INCL. LOANS & FAMILY)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	3	0	0	1	4	39	9	9	65
GRADUATE TRAINEESHIPS	(2)	0	0	0	0	0	0	0	11	24
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	0	0	15	22	88	2	2	130
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	0	798	1	2	752
OTHER TYPES OF SUPPORT	(5)	21	0	1	0	17	33	11	216	1,022
FULL-TIME TOTAL	(6)	24	0	1	20	43	916	22	240	1,022
FULL-TIME WOMEN	(7)	5	0	0	0	9	284	3	66	219

FULL-TIME FOREIGN STUDENTS	(8)	1	669
FULL-TIME FIRST-YEAR STUDENTS	(9)	1	1,015

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS								
	SOURCE OF SUPPORT				TOTAL OF THE		OTHER		
	FEDERAL				FOR ALL		IN		
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	(A) (THRU D)	(E) (FOREIGN)	(F) (IN RESEARCH STAFF)		
PART-TIME TOTAL	(11)	1	3,290						
PART-TIME WOMEN	(12)	1	1,015						
PART-TIME FIRST-YEAR STUDENTS	(13)	1	1,173						

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	SOURCE OF SUPPORT								
	FEDERAL				TOTAL OF THE		OTHER		
	FEDERAL				FOR ALL		IN		
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	(A) (THRU D)	(E) (FOREIGN)	(F) (IN RESEARCH STAFF)		
TOTAL	(11)	0	1	0	0	1	0	3	
WOMEN	(12)	0	0	0	0	0	0	0	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-22. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL LIFE SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 682

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCL. LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	31	19	143	3	34	211	62	56	559
GRADUATE TRAINEESHIPS	(2)	9	166	2,620	12	83	208	57	90	3,240
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	4	52	59	29	281	471	3	153	1,052
GRADUATE TEACHING ASSISTANTSHIPS	(4)		0	36	0	50	1,516	1	42	1,644
OTHER TYPES OF SUPPORT	(5)	63	8	69	2	179	478	95	156	5,482
FULL-TIME TOTAL	(6)	107	245	2,927	46	627	2,884	217	497	13,027
FULL-TIME WOMEN	(7)	33	155	2,439	17	253	1,401	58	264	8,108

FULL-TIME FOREIGN STUDENTS	(8)	1	1,060
FULL-TIME FIRST-YEAR STUDENTS	(9)	1	6,049

6. PART-TIME GRADUATE STUDENTS										
PART-TIME TOTAL	(11)	1	8,913							
PART-TIME WOMEN	(12)	1	6,238							
PART-TIME FIRST-YEAR STUDENTS	(13)	1	3,389							

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT				TOTAL FOR ALL SOURCES (A THRU D)	TOTAL OF THE NON- FACULTY DOCTORAL RESEARCH STAFF		
	FEDERAL		NON-FEDERAL					
	FELLOW- SHIPS	RE- TRAIN- ING SHIPS	RESEARCH GRANTS	NON- FEDERAL				
	(A)	(B)	(C)	(D)				
TOTAL	(11)	99	70	61	80	240	52	25
WOMEN	(12)	12	16	14	11	93	8	5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-23. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL PSYCHOLOGY DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 70

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))			
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)					
	DHFW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES						
	NATIONAL DEPT. OF DEFENSE	INST. OF HEALTH	OTHER DHFW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES									
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)				
GRADUATE FELLOWSHIPS	(11)	0	0	0	0	1	13	0	1	24				
GRADUATE TRAINEESHIPS	(12)	0	2	83	2	0	89	0	9	198				
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	2	10	3	12	5	121	0	6	159				
GRADUATE TEACHING ASSISTANTSHIPS	(14)	1	0	0	0	0	361	0	0	361				
OTHER TYPES OF SUPPORT	(15)	1	0	2	0	14	85	11	23	938				
FULL-TIME TOTAL	(16)	3	12	88	24	28	689	19	39	938				
FULL-TIME WOMEN	(17)	2	7	53	13	7	370	8	22	530				
FULL-TIME FOREIGN STUDENTS	(18)	56												
FULL-TIME FIRST-YEAR STUDENTS	(19)	785												
6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS										TOTAL FOR ALL SOURCES (A NUMBER THRU (J) IF FOREIGN STAFF)			
	AND NON- FACULTY DOCTORAL RESEARCH STAFF	SOURCE OF SUPPORT					FELLOW- SHIPS	RE- TRAINEE- SEARCH GRANTS	NON- FEDERAL					
		FEDERAL												
PART-TIME TOTAL	(11)	1,279						(A)	(B)	(C)	(D)	(E)	(F)	(G)
PART-TIME WOMEN	(12)	721						(A)	(B)	(C)	(D)	(E)	(F)	(G)
PART-TIME FIRST-YEAR STUDENTS	(13)	999						(A)	(B)	(C)	(D)	(E)	(F)	(G)

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-B-24. SUMMARY OF RESPONSES FROM MASTER'S-LEVEL SOCIAL SCIENCE DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 484

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DHFW										
	NATIONAL DEPT. OF DEFENSE	INST. OF HEALTH	OTHER DHFW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF- SUPPORT (FAMILY SOURCES)		
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		
MECHANISMS OF SUPPORT											
GRADUATE FELLOWSHIPS	(11)	10	26	199	2	88	536	79	70	1,026	
GRADUATE TRAINEESHIPS	(12)	2	62	333	9	82	219	5	56	788	
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	0	8	32	8	156	818	3	89	1,110	
GRADUATE TEACHING ASSISTANTSHIPS	(14)	1	0	6	0	10	1,367	32		1,415	
OTHER TYPES OF SUPPORT	(15)	146	0	98	0	278	538	121	275	6,761	
FULL-TIME TOTAL	(16)	156	112	668	19	606	3,978	208	522	12,530	
FULL-TIME WOMEN	(17)	71	80	935	9	187	1,692	28	270	5,869	

FULL-TIME FOREIGN STUDENTS	(18)	1,125
FULL-TIME FIRST-YEAR STUDENTS	(19)	5,398

6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS										
	AND NON-FACULTY DOCTORAL RESEARCH STAFF					SOURCE OF SUPPORT					TOTAL OF THE FOR ALL SOURCES (A THRU D) NUMBER OF FOREIGN STAFF
	FEDERAL	RE- SHIPS	TRAINEE- SHIPS	SEARCH GRANTS	NON- FEDERAL						
	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
PART-TIME TOTAL	(11)	12	0	1	6	19	2	1			
PART-TIME WOMEN	(12)	2	0	0	0	2	1	0			
PART-TIME FIRST-YEAR STUDENTS	(13)	9	0	0	0	2	1	0			

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-C-1. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 1436

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				SELF- SUPPORT (INCL. OF FAMILY SOURCES)	
	DHFW										
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHFW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES			
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		
MECHANISMS OF SUPPORT											
GRADUATE FELLOWSHIPS	(11)	1	32	69	10	18	278	38	125	562	
GRADUATE TRAINEESHIPS	(12)	1	98	372	37	87	168	5	51	703	
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	7	25	5	42	158	659	0	56	1,002	
GRADUATE TEACHING ASSISTANTSHIPS	(14)	1	7	9	9	41	2,817	34		2,912	
OTHER TYPES OF SUPPORT	(15)	33	11	50	2	502	193	247	398	12,758	
FULL-TIME TOTAL	(16)	42	171	566	100	866	3,987	290	668	19,278	
FULL-TIME WOMEN	(17)	2	72	328	37	182	1,528	37	347	7,928	
FULL-TIME FOREIGN STUDENTS	(18)	1								2,183	
FULL-TIME FIRST-YEAR STUDENTS	(19)	1								8,266	
6. PART-TIME GRADUATE STUDENTS											
PART-TIME TOTAL	(11)	38	223								
PART-TIME WOMEN	(12)	15	665								
PART-TIME FIRST-YEAR STUDENTS	(13)	12	837								

8. POSTDOCTORAL AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT				TOTAL FOR ALL SOURCES (A THRU D)	TOTAL OF THE DOCTORAL IN (E) NUMBER FOREIGN STAFF	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF	
	FEDERAL							
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL				
	(A)	(B)	(C)	(D)				
	(E)	(F)	(G)					
TOTAL	(11)	3	0	36	33	50	16	8
WOMEN	(12)	1	0	9	0	10		

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-C-2. SUMMARY OF RESPONSES FROM ALL ENGINEERING DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 152

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW					SELF- SUPPORT (INCLUDING LOANS & FAMILY SOURCES)	OTHER U.S. SOURCES	FOREIGN SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES				INSTITU- TIONAL SUPPORT	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	0	0	9	0	1	35	1	11	52
GRADUATE TRAINEESHIPS	(12)	0	0	38	0	3	3	0	3	47
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	2	0	0	0	10	65	0	2	79
GRADUATE TEACHING ASSISTANTSHIPS	(14)	0	0	0	0	3	219	6	0	228
OTHER TYPES OF SUPPORT	(15)	0	0	0	0	33	47	104	8	783
FULL-TIME TOTAL	(16)	2	0	47	0	50	369	105	30	783
FULL-TIME WOMEN	(17)	0	0	23	0	4	62	0	9	212

FULL-TIME FOREIGN STUDENTS (18) 526

FULL-TIME FIRST-YEAR STUDENTS (19) 661

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (20) 4,500

PART-TIME WOMEN (21) 617

PART-TIME FIRST-YEAR STUDENTS (22) 2,096

SOURCE: NATIONAL SCIENCE FOUNDATION

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS							OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT				TOTAL OF THE		TOTAL (F) NUMBER IN FOREIGN	
					FOR ALL			
					SOURCES			
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	(A) THRU (D)	(E)		
(A)	(B)	(C)	(C)	(D)	(E)	(G)		
TOTAL	(11)	0	0	0	0	0	0	
WOMEN	(12)	0	0	0	0	0	0	

TABLE IV-C-3. SUMMARY OF RESPONSES FROM ALL PHYSICAL SCIENCE DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 164

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW					SELF-SUPPORT (INCLUDING LOANS & FAMILY SOURCES)				
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	0	0	0	0	0	0	0	0	32
GRADUATE TRAINEESHIPS	(12)	0	0	0	0	0	0	0	0	26
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	0	16	0	0	25	25	0	12	83
GRADUATE TEACHING ASSISTANTSHIPS	(14)	0	0	0	0	3	357	0	6	370
OTHER TYPES OF SUPPORT	(15)	0	0	0	0	1	17	2	5	182
FULL-TIME TOTAL	(16)	0	29	0	15	33	427	6	30	182
FULL-TIME WOMEN	(17)	0	0	0	0	0	95	0	8	36

FULL-TIME FOREIGN STUDENTS (18) 166

FULL-TIME FIRST-YEAR STUDENTS (19) 259

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (20) 1,001

PART-TIME WOMEN (21) 331

PART-TIME FIRST-YEAR STUDENTS (22) 308

SOURCE: NATIONAL SCIENCE FOUNDATION

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS										OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT					TOTAL OF THE					
	FEDERAL					SOURCES IN (E)					
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL		FOR ALL (A THRU D)	FOR FOREIGN	(F)	(G)	(H)	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		
TOTAL	(11)	0	0	20	10	31	10	1	1		
WOMEN	(12)	0	0	0	0	0	0	0	0		

TABLE IV-C-4. SUMMARY OF RESPONSES FROM ALL ENVIRONMENTAL SCIENCE DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 49

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
	DHEW									
	NATIONAL	NATIONAL	OTHER	INSTITU-		OTHER				
	DEPT. OF DEFENSE	INST. OF HEALTH	DHEW	SCIENCE FOUND.	FEDERAL SOURCES	TIONAL SUPPORT	FOREIGN SOURCES	U.S. SOURCES	SELF-SUPPORT (INCLUDING LOANS & FAMILY SOURCES)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(11)	0	0	1	2	0	9	0	0	12
GRADUATE TRAINEESHIPS	(12)	0	0	1	0	1	0	0	0	2
GRADUATE RESEARCH ASSISTANTSHIPS	(13)	0	0	0	6	8	17	6	7	38
GRADUATE TEACHING ASSISTANTSHIPS	(14)	0	0	0	2	0	108	5		111
OTHER TYPES OF SUPPORT	(15)	0	0	2	2	8	18	9	175	216
FULL-TIME TOTAL	(16)	0	0	4	12	17	144	9	16	327
FULL-TIME WOMEN	(17)	0	0	0	2	4	26	0	1	78

FULL-TIME FOREIGN STUDENTS (18) 99

FULL-TIME FIRST-YEAR STUDENTS (19) 161

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (20) 339

PART-TIME WOMEN (21) 172

PART-TIME FIRST-YEAR STUDENTS (22) 199

SOURCE: NATIONAL SCIENCE FOUNDATION

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS							OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	SOURCE OF SUPPORT				TOTAL OF ALL SOURCES (A THRU D)	OF THE TOTAL IN (E) FOREIGN		
	FEDERAL							
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL				
	(A)	(B)	(C)	(D)			(E)	
TOTAL	(11)	0	0	0	0	0	0	0
WOMEN	(12)	0	0	0	0	0	0	0

BEST DOCUMENT AVAILABLE

TABLE IV-C-5. SUMMARY OF RESPONSES FROM ALL MATHEMATICAL SCIENCE DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 162

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))	
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES						
	DHEW											
	NATIONAL DEFENSE	INSTIT. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (INCLUDING LOANS TO FAMILY)			
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)		
GRADUATE FELLOWSHIPS	(1)	0	0	3	0	0	11	0	0	14		
GRADUATE TRAINEESHIPS	(2)	0	0	0	0	0	5	0	0	5		
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	0	1	0	2	22	0	2	27		
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	1	1	312	0	0	314		
OTHER TYPES OF SUPPORT	(5)	0	0	1	0	14	35	96	3	149		
FULL-TIME TOTAL	(6)	0	0	5	1	17	385	96	5	499		
FULL-TIME WOMEN	(7)	0	0	1	1	1	115	9	1	128		
FULL-TIME FOREIGN STUDENTS (8) 292												
FULL-TIME FIRST-YEAR STUDENTS (9) 552												
6. PART-TIME GRADUATE STUDENTS	POSTDOCTORALS										TOTAL OF THE TOTAL OF THE NON-FACULTY DOCTORAL RESEARCH STAFF	
	B. POSTDOCTORALS AND NON-FACULTY DOCTORAL RESEARCH STAFF	SOURCE OF SUPPORT					TOTAL OF THE TOTAL OF THE NON-FACULTY DOCTORAL RESEARCH STAFF					
		FEDERAL					NON-FEDERAL					
		FELLOW SHIPS	TRAINEE SHIPS	RE-GRANTS	NON-FEDERAL	OTHER	SELF-SUPPORT (INCLUDING LOANS TO FAMILY)	OTHER U.S. SOURCES	FOREIGN SOURCES	OTHER		
PART-TIME TOTAL	(1)	2,540	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)		
PART-TIME WOMEN	(2)	865	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)		
PART-TIME FIRST-YEAR STUDENTS	(3)	1,086	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)		

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-C-6. SUMMARY OF RESPONSES FROM ALL LIFE SCIENCE DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 346

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (I) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (INCLUDING LOANS)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	24	24	6	5	47	25	17	198	
GRADUATE TRAINEESHIPS	(2)	0	22	195	25	31	27	0	3	303	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	47	0	19	105	194	0	23	388	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	7	1	2	22	770	0	8	810	
OTHER TYPES OF SUPPORT	(5)	26	11	23	0	35	134	16	90	2,723	
FULL-TIME TOTAL	(6)	26	111	243	52	198	1,172	91	141	2,723	
FULL-TIME WOMEN	(7)	1	98	189	17	91	520	12	82	1,159	

6. FULL-TIME FOREIGN STUDENTS	(8)	974	POSTDOCTORALS					TOTAL OF POSTDOCTORALS (SUM OF COLUMNS (I) THRU (F))	OTHER NON-FACULTY DOCTORAL RESEARCH STAFF
			SOURCE OF SUPPORT						
			FEDERAL	RE-FELLOWSHIPS	RE-TRAINEESHIPS	RE-RESEARCH GRANTS	NON-FEDERAL		
FULL-TIME FIRST-YEAR STUDENTS	(9)	1,965							

7. PART-TIME GRADUATE STUDENTS	(11)	7,595	(12)	9,593	(13)	2,731	POSTDOCTORALS					TOTAL OF POSTDOCTORALS (SUM OF COLUMNS (I) THRU (F))	OTHER NON-FACULTY DOCTORAL RESEARCH STAFF
							SOURCE OF SUPPORT						
							FEDERAL	RE-FELLOWSHIPS	RE-TRAINEESHIPS	RE-RESEARCH GRANTS	NON-FEDERAL		
PART-TIME TOTAL	(11)	7,595											
PART-TIME WOMEN	(12)	9,593											
PART-TIME FIRST-YEAR STUDENTS	(13)	2,731											

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-C-7. SUMMARY OF RESPONSES FROM ALL PSYCHOLOGY DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 181

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51	7	96	745	11	124	3,661	
FULL-TIME WOMEN	(7)	0	11	20	4	24	380	3	70	1,919	

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (FAMILY SOURCES)		
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	0	0	19	0	0	92	0	10	121	
GRADUATE TRAINEESHIPS	(2)	0	14	21	4	1	8	0	32	80	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	0	7	2	3	9	176	0	3	195	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	0	0	0	11	331	0	1	343	
OTHER TYPES OF SUPPORT	(5)	0	0	0	0	80	138	11	78	3,066	
FULL-TIME TOTAL	(6)	0	21	51							

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-C-8. SUMMARY OF RESPONSES FROM ALL SOCIAL SCIENCE DEPARTMENTS AT MASTER'S-GRANTING INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 382

5. FULL-TIME GRADUATE STUDENTS		STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
		FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
		DHEW										
		NATIONAL DEFENSE	INSTIT. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	SELF-SUPPORT (INCL. OF LOANS)	FAMILY (A) THRU (J)	
MECHANISMS OF SUPPORT		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS		(1)	1	9	17	0	10	67	9	80	188	
GRADUATE TRAINEESHIPS		(2)	1	6	117	3	49	86	4	13	239	
GRADUATE RESEARCH ASSISTANTSHIPS		(3)	5	5	2	9	4	160	0	7	192	
GRADUATE TEACHING ASSISTANTSHIPS		(4)		0	3	0	1	324		4	332	
OTHER TYPES OF SUPPORT		(5)	2	6	15	0	331	108	65	210	9,037	
FULL-TIME TOTAL		(6)	9	15	151	12	395	705	78	314	9,037	
FULL-TIME WOMEN		(7)	1	8	96	7	103	330	16	176	1,945	
FULL-TIME FOREIGN STUDENTS		(8)										
FULL-TIME FIRST-YEAR STUDENTS		(9)										
6. PART-TIME GRADUATE STUDENTS		POSTDOCTORALS										TOTAL OF THE TOTAL

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-D-1. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS AT ALL MEDICAL SCHOOLS, FALL 1979

NUMBER OF DEPARTMENTS: 3C92

5. FULL-TIME GRADUATE STUDENTS		STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
		FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
		DHEW										
		NATIONAL DEFENSE	INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	FAMILY (I)		
MECHANISMS OF SUPPORT		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS		(1)	23	265	139	99	38	922	85	204	1,775	
GRADUATE TRAINEESHIPS		(2)	5	2,121	1,600	19	107	579	47	65	4,543	
GRADUATE RESEARCH ASSISTANTSHIPS		(3)	33	1,282	85	54	89	761	16	133	2,897	
GRADUATE TEACHING ASSISTANTSHIPS		(4)		42	32	2	30	1,365		46	1,517	
OTHER TYPES OF SUPPORT		(5)	68	157	94	6	175	553	184	168	3,023	
FULL-TIME TOTAL		(6)	129	3,867	1,956	180	439	4,180	326	611	15,710	
FULL-TIME WOMEN		(7)	44	1,365	1,381	78	177	1,525	73	251	7,038	
FULL-TIME FOREIGN STUDENTS		(8)	1	1,383								
FULL-TIME FIRST-YEAR STUDENTS		(9)	1	5,146								
6. PART-TIME GRADUATE STUDENTS		POSTDOCTORALS										TOTAL OF THE OTHER NON-FACULTY DOCTORAL RESEARCH STAFF
		SOURCE OF SUPPORT					TOTAL OF THE OTHER NON-FACULTY DOCTORAL RESEARCH STAFF					
		FEDERAL					NON-FEDERAL					
		FELLOW RESEARCH STAFF	TRAWEE SHIPS	RE-GRANTS	NON-FEDERAL	THRU FOREIGN	(A)	(B)	(C)	(D)	(E)	
PART-TIME TOTAL		(1)	1	3,399								
PART-TIME WOMEN		(2)	1	2,160								
PART-TIME FIRST-YEAR STUDENTS		(3)	1	1,191								

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-D-2. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS AT PUBLIC MEDICAL SCHOOLS, FALL 1979

NUMBER OF DEPARTMENTS: 1864

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DHEW					SELF-HELP SOURCES (INCLUDING LOANS)					
	DEPT. OF DEFENSE	NATIONAL HEALTH	INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	FAMILY (A) THRU (J)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
GRADUATE FELLOWSHIPS	(1)	12	136	98	46	34	597	82	147	1,112	
GRADUATE TRAINEESHIPS	(2)	4	1,082	1,277	6	84	289	33	38	2,813	
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	31	855	70	41	73	657	8	77	1,812	
GRADUATE TEACHING ASSISTANTSHIPS	(4)	0	32	32	2	26	1,095	0	37	1,224	
OTHER TYPES OF SUPPORT	(5)	60	98	46	6	98	264	82	191	2,229	
FULL-TIME TOTAL	(6)	107	2,203	1,523	101	315	2,902	165	394	9,985	
FULL-TIME WOMEN	(7)	41	793	1,105	46	126	1,047	46	183	4,626	

6. FULL-TIME FOREIGN STUDENTS	(8)	866	POSTDOCTORALS						TOTAL OF TOTAL SOURCES IN (E) (FACULTY RESEARCH STAFF)	OTHER NON-FEDERAL SOURCES (FACULTY RESEARCH STAFF)		
			SOURCE OF SUPPORT									
			FEDERAL									
			AND NON-FACULTY DOCTORAL RESEARCH STAFF	FELLOW SHIPS	TRAINEE SHIPS	RESEARCH GRANTS	NON-FEDERAL	OTHER (FACULTY RESEARCH STAFF)				
FULL-TIME FIRST-YEAR STUDENTS	(9)	1	3,245	(10)	1	3,245	(11)	1	3,245	(12)	1	3,245

6. PART-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE										TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (J))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES					
	DHEW					SELF-HELP SOURCES (INCLUDING LOANS)					
	DEPT. OF DEFENSE	NATIONAL HEALTH	INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES	FAMILY (A) THRU (J)	
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
PART-TIME TOTAL	(1)	0	0	0	0	0	0	0	0	0	
PART-TIME WOMEN	(2)	0	0	0	0	0	0	0	0	0	
PART-TIME FIRST-YEAR STUDENTS	(3)	0	0	0	0	0	0	0	0	0	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE IV-D-3. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS
AT PRIVATE MEDICAL SCHOOLS, FALL 1979

NUMBER OF DEPARTMENTS: 1228

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW									
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITU- TIONAL SUPPORT	FOREIGN SOURCES			
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	11	129	41	53	4	325	43	57	663
GRADUATE TRAINEESHIPS	(2)	1	1,039	323	13	23	290	14	27	1,732
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	2	427	15	13	16	104	2	56	635
GRADUATE TEACHING ASSISTANTSHIPS	(4)		10	6	0	4	270		9	293
OTHER TYPES OF SUPPORT	(5)	8	59	48	0	77	289	102	27	1,799
FULL-TIME TOTAL	(6)	22	1,669	427	79	124	1,278	161	176	5,725
FULL-TIME WOMEN	(7)	3	572	276	38	51	478	27	68	2,412

FULL-TIME FOREIGN STUDENTS (8) 537

FULL-TIME FIRST-YEAR STUDENTS (9) 1,901

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (11) 1,171

PART-TIME WOMEN (12) 683

PART-TIME FIRST-YEAR STUDENTS (13) 414

SOURCE: NATIONAL SCIENCE FOUNDATION

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT							TOTAL OF THE TOTAL SOURCES (A) THRU (I) FOREIGN STAFF
	FEDERAL				NON-FEDERAL			
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	NON- FEDERAL	INSTITU- TIONAL SUPPORT	OTHER FEDERAL SOURCES		
	(A)	(B)	(C)	(D)	(E)	(F)		
TOTAL	(1)	889	981	1,003	1,336	4,209	1,092	300
WOMEN	(2)	195	239	222	271	927	157	87

TABLE IV-D-4. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS
AT ALL PUBLIC INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 6750

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCLUD- ING LOANS & FAMILY SOURCES)	
	DHEW					INSTITU- TIONAL SUPPORT	FOREIGN SOURCES	OTHER U.S. SOURCES		
	DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER DHEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES					
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
GRADUATE FELLOWSHIPS	(1)	118	521	1,162	586	689	5,191	1,749	1,731	11,747
GRADUATE TRAINEESHIPS	(2)	35	3,360	5,527	109	742	1,587	226	476	12,002
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	1,695	3,572	956	4,999	9,030	13,716	560	3,852	38,380
GRADUATE TEACHING ASSISTANTSHIPS	(4)		105	113	13	312	40,993		297	41,833
OTHER TYPES OF SUPPORT	(5)	1,718	215	375	175	1,983	4,749	2,668	2,755	55,230
FULL-TIME TOTAL	(6)	3,566	7,713	8,133	5,882	12,756	66,236	5,203	9,111	123,830
FULL-TIME WOMEN	(7)	291	2,843	5,349	969	2,644	19,655	673	2,581	55,891

FULL-TIME FOREIGN STUDENTS (8) 32,518

FULL-TIME FIRST-YEAR STUDENTS (9) 57,831

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (11) 80,723

PART-TIME WOMEN (12) 31,399

PART-TIME FIRST-YEAR STUDENTS (13) 25,247

SOURCE: NATIONAL SCIENCE FOUNDATION

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT						TOTAL OF THE TOTAL SOURCES (A) THRU (I) FOREIGN STAFF	OTHER NON- FACULTY DOCTORAL RESEARCH STAFF
	FEDERAL			NON-FEDERAL				
	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS	FELLOW- SHIPS	TRAINEE- SHIPS	RE- SEARCH GRANTS		
	(A)	(B)	(C)	(D)	(E)	(F)		
TOTAL	(1)	1,452	1,371	5,179	2,313	10,315	3,453	1,595
WOMEN	(2)	266	277	790	374	1,707	362	369

TABLE IV-D-5. SUMMARY OF RESPONSES FROM ALL DEPARTMENTS
AT ALL PRIVATE INSTITUTIONS, FALL 1979

NUMBER OF DEPARTMENTS: 3046

5. FULL-TIME GRADUATE STUDENTS	STUDENTS RECEIVING FINANCIAL ASSISTANCE									TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
	FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES			SELF- SUPPORT (INCL. OF LOANS & FAMILY SOURCES)	
	DHEW									
	NATIONAL	NATIONAL	OTHER	INSTITU-	OTHER					
	DEPT. OF DEFENSE	INST. OF HEALTH	OTHER DHEW	SCIENCE FOUND.	FEDERAL SOURCES		TIONAL SUPPORT			
MECHANISMS OF SUPPORT	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
GRADUATE FELLOWSHIPS	(1)	107	305	427	775	313	4,991	1,010	1,268	9,196
GRADUATE TRAINEESHIPS	(2)	18	2,462	2,318	158	315	1,416	278	483	7,448
GRADUATE RESEARCH ASSISTANTSHIPS	(3)	1,109	1,508	185	2,506	2,556	2,059	127	1,074	11,119
GRADUATE TEACHING ASSISTANTSHIPS	(4)		11	28	23	72	10,269		113	10,656
OTHER TYPES OF SUPPORT	(5)	240	131	164	28	788	2,139	1,231	1,104	25,427
FULL-TIME TOTAL	(6)	1,474	4,417	3,122	3,490	4,044	20,759	2,646	4,122	69,501
FULL-TIME WOMEN	(7)	123	1,552	1,984	569	752	6,519	385	1,105	23,322

FULL-TIME FOREIGN STUDENTS (8) 14,460

FULL-TIME FIRST-YEAR STUDENTS (9) 23,698

6. PART-TIME GRADUATE STUDENTS

PART-TIME TOTAL (11) 51,213

PART-TIME WOMEN (12) 16,491

PART-TIME FIRST-YEAR STUDENTS (13) 18,167

SOURCE: NATIONAL SCIENCE FOUNDATION

8. POSTDOCTORALS AND NON- FACULTY DOCTORAL RESEARCH STAFF	POSTDOCTORALS SOURCE OF SUPPORT							TOTAL OF THE TOTAL SOURCES (A) THRU (I) FOREIGN STAFF
	FEDERAL				NON-FEDERAL			
	FELLOW- SHIPS	TRAINEE- SHIPS	RESEARCH GRANTS	INSTITU- TIONAL SUPPORT	FELLOW- SHIPS	TRAINEE- SHIPS	RESEARCH GRANTS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
TOTAL (1)	1,408	1,236	3,220	2,404	8,324	2,638	1,132	
WOMEN (2)	306	319	592	515	1,682	323	298	

